PRAC SMITH'S NEW ROPU Joüller's Syllaluz ammar on the Productive System; OL BOOKS

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Definition of Inflammation. Inflammation= that condition of parts involving Under Heat Redness - Lain - alteration or Purpo endin of Levetions - Swelling - Throbbing -Organised bifours more leable to Implam. Cartilages according to elletter, may be in. flamed but is a most yound. Bertain tid. sues as Hair-Enamel - Nails yoursent ap pearences of Inflam. but it lies in their follicles - Reptiles are said to be Exempt from inflam - Eg. Frogs - makes. acute and Chronie go on steadily in their Course - Latent not developed of isself tout by some foreign cause ing. Tubercule of lungs may Exist, but not developed but by a fevere cold. Healthy - Unhealthy and Specific Specific = Introduction of Vienes into the Tystem, as that of infected cows - Treated with free incision, cautingation and poul-Cases cited; are the absence of redness in arachnitis and Inflam. of Cornea -Alkin and mucus membrane very red in Inge. Redness is a good sign in Erysipelas\_ yellow generally, due to Gyptiles 3 3 ones well defined indicate that inflam is Ceasing Lain. not always present. modified by the tifue. A heavy dull pain in bollular. Serous has Sharp, Cancinating pains, called thickes - Fibrons is first dull heavy, then pulsatile. Sharp, burning pain in dicales Erysipelas - Dull aching pain increased on going to bed shows Disease of bone - a grawing poin in indolent tumours shows it is malignent. Lain does not always indicate the diseased postion; as pain in glans penis indicates stone in Blad, 51562

Least Organized tissues suffer most pain. as tone Cartilage. Diff. between Thas modie and Infl. pain. d'resour relieves opasmodie, Increase on. flammatory pain - Imflam. causes increase of pulse, and fever. Ipasm. the reverse -Helpean Sr. Sudkey good authorities -Cause of Inflam and pain due to 2 8pc. cific causes 1st Imprepion of nerve -200 afflux of blood to the years, by which its organic structure is increased -Heat. Temp. never rises above that of the blood at the heart. 98. But there is any mentation of heat as far as part is con cerned - Exceptions, The wormbafter par furilion is 108° or 110° - Erysepelas we must check the hear by antipole gistic remdies Heat not caused by friction vis. rapidity of blood, because blood is stationary & stagnation but caused by rapid oxidation of the tifenes by the presence of so much blood -Twelling - not an Epential characteristic of Inflam. Cellular tipue swells - Cause of Swelling, due to distention of blood vefacls - Lepa; ation of these vefels by Firem - Extravasa - tion of the vefels - Lymph - Obstruction in ab sorption of parto-Northing, Effort of refiels to overcome obstrue Partial & Remote Remote Continuous leaves Larotia glands for Continuous testes Continuous = the Lesion attacking the same Contiguend = from jet a position in contact with organ of disease -Universal = a general reaction of neronis or vascular systems. by some local injury-Theory of Inglam. depends on the yorceise condition which take place in inflam. "part. 2 Great Theories. Hunters doctrine = The Essence of Inflam. consists in the augmen

ted action of blood vefselor 2nd Vacca's Theory. Instead of augmentation the vefsels too weak to carry on their function clienter believes in combination of both theories Eg. Whate spot around a frest sting, due to contraction of Capillanes forcing out blood -It soon becomes red, because weakened by 20-ceprive action. The Capillaries yield and di-lake - Then, blood moves sluggiskly, with adhesion of white globules to the walls of refiels. afterwards Extravasation and Hagnation Ensue followed if neglected by Efficien of Jenum, Lymph Ete -Blood from Imflam covered with a Buffy Coat , varying with the sensity of Inflam-due frestaps, to its coagulation, slowly, which increases fibrin and white glotules to surface. Inflam. Terminales in Resolution, Deli. tescence, ellesastasis. Resolution = Restoration to health-Dilitescence = Sudden departure of Inflam. elletastasis = change in location of confl. as Sout Constitutional and Local -Rethera = Except of blood. Venous to telhora belongs to the Old causing Effusion of Lerum arterial plethora belongs to young, has Effusion of plasma or lymph. Local Determination = a sudden Fusk of 5-Treatment of Inflamouation -1 st Remove the Cause - Exception gunstot-2 000 attend to neroons and vascular condition of patients - after operations administer Tartarised antimony with Morphia - Use diet - cee - cooling drinks - Sive wine of Ineae or Digitalis - Take away blood generally or Cocally about 1003. at at time Bleeding in External Jugular veion -Place parient in recumbent porture; makea trough of paper to cases blood. Tolace the they rest the vein firmly on Sterno mastin me

(4) Bleed above your thumb; Cut longitudinally never take of thumb until you have placed your finger on the opening as air may En. ter the vein and destroy the policist. Tolace a piece of sticking y laster over orifice & the a light bandage. When air has Entere the vein indicated by a hifs and prostra Tion of patient, immediately insert Syringe in origine and suck up vigorously thair Venesection done with spring lancet transversely to the direction of vein. apply a ligature above, not so tight as to pro-vent the pulsation of the artery in the wrist. never bleed a vein when your perceive pul. salions of an artery near on ander it-Thrombus = the vein rolls under the skin. blood collects under the 8kin, which swells -Treatment. Bandage from wrist up, then yslace a compress bandage in the fig. 8 manner. drep it 2 aday and apply Camphuretted fris. Tineture of Ox Todine - When wilent inflam. set, in open the clot of blood. Frequently when bleeding in the bend of the arm, the blood will swadenly stop: These the youtient in horizontal position and it will flaw. a globule of fat will sometimes close the origine yours is aride with a probe. Rarely bleed the Basilies, for you may sea, Er a herve . If you do cut through a nerve the patient will complain of great pain, and paralysis of fingers. Inmediately stop the flow of blood, bandage arm from wrist and fler the fore arm on the Elbow to that the news may reunite. put arm in splint. of you pierce an artery, take what blood you desire without alarming the paleent, then bandage from wrist who - placing a gradua. ted compress beggining with a 5 cent pièce. and apply the figure 8 bandage -Thebitis = Two days after bluding there is pain in punctine and apillar arm is swollen. apply warm fementations, vis a bit of lint dipt in warm water and covered with administer antiphlogistic remedies- Digitalis-cool dainks - yourges. So not bleed the other arm as it is liable to the same disorder from Lympathy. Four or 3 - days after bleeding, pateent feels faint - tongue furoed - arm feels tender, with red streaks - aperture of founcture open with a drop of transparent lymph. You have cut through a large dymplatie vefrel -Treat do in Phlebitis. To bleed Saphena Vein. Immerse the foot in warm water 15 minutes; cut Congitudinally place foot again in water and let it bleed. To bleed the anterior branch of the super. ior artery, the only artery to be bled - Cut the skin to one side of the view artery, Can my the blade under the skin of cut the artery across then bring the Youneture in the thin directly over the wound of the arrery. To stop the bleeding sever the artery, and apply graduated compres -Local Bleeding = Scarification, temping Leeches. Do not begin local bleeding at the commencement of inglammatory attatto. Bleed Enough to counteract the instation of the worinds. Scarify where swelling of levels bites would incommode. 3 kinds of leechis. Swedish, German. american. Two first the best. Don't apply them to a child. Two slop hemmorrage of luch bites. 1st Canterise the bites with a red hot Knitting needle, quarded by a cork. 200 Rafo a thread ed cambrie medle through base of the like. and wind the thread around the base. To Reduce Tendibility without bleeding - See - orrigation - Immercion + de dangerous to use as It freezes the parts. Bold water to be applied un. til inflam. ceased. Inigation fonduced by enter of cloth acting like Syphens on a basin of water and percollating on the limb. Gold applications to be made generally on Extremities. When Cold

6 applications cause a chill discontinue them, make Use of warm foruntations as Tetamis may Ensue. Colender Prostations uscless in acute Inflammatus Issues - Soatons - Moxas. limited to Chronic. Issues = Peas-Beans-Pills of Orris Root plans overa raw surface and covered with adhesive yelaster -SEaton, produced by passing a tape killow though the folds of the Skin and hying loosely-ellust be worked back and forwards once in therenty fores house to be senewed Every you days, as the tape becomes offensive. Moxa = Deglanders of Punk. Pith of Sunflower. Ete. burnt (strongh an orifice in wet cloth) on patients skin. Products of Inflammation (ties SEROUS IN Effusion. = No I. AF Dropsy = Effusion of Serum in Sacks or Cavi. Oedoma = Effusion of Terum in Cellular tifsue (2) Laracentesis Ceuli = Duncture the distended Youpil not in centre lest at the base; for the Jounetine makes a white opaque spot, which would dishert vision. apply cold water with lint. (3) Track Estorny. Place patient in somicecumbant Goodene-head Thrown back. Linel the skin up, at The top of the stomach? That Knige through the base. In then come to Superficial fascia which you youred up and cut through in a similar manner. Now have Ep-Toosed the Sterno My via & Sterno Thy void muscles seper. ate there with landle of Scalped. Then either yours to the Inferior Thyroid Pleases, or Else tie first then cut. Pass top the Trackes until you come to the Isthmus of Thyroid gland, your aside or Else tie both Ends and cut. divid if possible the artery of Ne bower - Ro. Pinch up the Cellular time that chero the Larygy, as cut away /2 inch directly over the place in the Tracked you intend to open. Keep the Edge of Knife upwards, bid patient to swallow, in the act of swalllowing cut 2 3.4. rings of tracker. If patient can not swallow selfe the tracker with tenacularmo and open it. Not however until you have wife the anterior wounds dry, as the blood might descent into the lungs. You tan inset a banula to key the wound open. Temp. of room, to prevent Inglammation should not be less than 80. Fit. Subsequent Inconverience. In the healing up of the wound, granulations dometimes are formed in mu cous membrane. To be reopened, and granulations taken away with a foreepoan indolent fistula allowing passage of air.

occurs. Cured by scraping surface of would with Kings and sides with Caushie, and covering with a flap of skin. Or Else with a Cylenda of skin place in opening and secured with a Yein. Or chrodoid Cartelage Chrodoid Tracked tony = division of Thyroria Cartelage in Laryngotomy = The division of Thyroria Cartelage in Laryngotomy = The division of Thyroria Cartelage in Lebo halves. Objections to this Operation = 12 Render too halves. Objections to this Operation = 12 Render functions of Throat Weak. 200 Danger of Severing functions of Throat Weak. 200 Danger of Severing the Corda Vocalis which would render yeatens dumb. Sub Hyoid Trackedomy = Transverse Cut between the base of the Os Hyorides and Thyroid (4) Laracentesis Coli. Open Jack or Sacks; allow Cartilago. contents to Escape, and place a seaton. (3) Laracentesis Thoracis. In pleurisy when sudden and Enormous desposition of water occur. Puncture On Right side between 7 8 8. 8 9 Rits On the Left side between 8 89 9 98 10 . Ribs. Keep Close to the ridge of lower eit to avoid the intercostal arkery which lies along the lower ridge of the upper Rib. Wiek the Pleura, and allow the fluid to Escape, Compreping the patient with many tailed bandage. Close up the would in. mediately after it ceases to flow to yrreven the entrante of air. Should draw off thing and yourge (if time allowed) in this and succeeding operation (6) Laracentesis Abdominis. Liere mid way between the Umbilieus and Symphinis Youber with a trochar: and keep drawing the many tailed bandage lighter. (7) Laracentesis Leroti. Lancoasto method. Introduce the trocker drain the fluid, and inject a strong solution of Time of Jodine, drawing it and injecting until the patient feels a youin along the groin in the Serotal merve. This is to create a counter inflammation and prevent the return of the dropsy; the bag will be fall in a few days, then to be opened again -(8) Laracentesis articuli. Do not if possible sperform this operation; open only at the most flue tuating point Never inject the joint.

(9) Luncture of the Skin in Orderna & ana-Rose 4 sarca. Masse 2 or 3 punctures. Never scarify as it renders the wounds liable to Enjoippelatous inflammation. apply compression by means of bandages -

(8) No. 2. EFFOSion of Coag. LYMPH. By Effusion of Coagulable Lymph. We mean Liquor Sanguines or Plasma. 2. To the result of acute Inflammation. 3. a short time after Inflammation begins it is creamy Easily scraped off a cound with Landle of scalped. In 24-48 hours grows hard so as to resist mile efforts for its removal. It becomes a healing means 6. It becomes a home genous maps; then filmetion with nuclei Ensues - then cells. If any interpennee takes place cells fall down and become mere your cells. a kinds of reason of the political a mixed. Suppuration = That action dependant on Inflammation, and characterised by a Separation of pus from blood? Samptoms. Constitutional are Modifieation of Julse, quick with less force, Skin Soft, sweaty, cold, clammy. Pros Local = Change in Ybain, becomes Youl-satile throbbing in a previously inflamed surface. affected gland becomes cool soft fluctuating, color becomes livid. us is composed of Gerum in which float globules and molecules which are dead Ep. udation corpuscles viz. dead Plasma. It has all the Chemical Elements of blood with the Exception of coloring, matter. and the addition of Lyine - to the microscope it foresents globeles with an investing membrane (containing small nucleis these burst and allow The Escape of the mucli when treated with acetic acid. It is thus distinguished from Tubercle globales which become trans yourent under the action of acetic acid ties of the Rus, hence Easily Known Que Keeps sweet in hermchitally stated bottles, for days and months. Healthy or Landable Dus is yellow fain odour creamy, sweet, specific Fravily is heavier than water -Unhealthy Lus. (1) Ichorous Lus. Thous constitution below par, is watery, required

(4) Curdy Pus indicates scrofulous ten . [9 dency in patient -(5) Sling or Ropy pus indicates intension, fearmitatory action as in the faces of Dys-Entery of Sanguineous with strong foeter indicates mortification. Greenish pus, a specific disease, generall, venerial as in the Thonorrhoea. Venerial Optialmia -Grey which becomes from and dark on being stirred is Sordes (7) and is the result of sloughing ulcers. Hatery Pus, reparating in two yours and indicates the system wasted by Chronics-Healthy pus bever in thates the inflam. mation and therefore should not be officions. by removed as it is Even an Excellent drefsing Prognosis. Suppuration is unhealth, and should not be neglected: as a drop may ruin the Eyesight, a teaspoonfull port. duce congestion of the brain-Keep a Superficial abscels at boy by link and water and some stimulating wash to absorb it: where a suppuration or recourse to the Knife would disfigure. Lus can be absorbed therefore is not a decretion as Hunter terms it. as soon as suppuration begins, Cease antiphlagistic remedies, apply warm and Stimulating applications, blisters Time of Jodine warm poullies . change general treatment, in liew of Tackarised antimony Escodiet Ete. give Quinia tonies, good healthy diet, a little Opium of patient is restless. ere 10. Weceration. Hunter says it is Inflammation char. asterised by lop of sifues" not true as in malignant Electration, tipue accumulate, and are built up. Ulceration due to doftening of the tipue Granulation Bases = Plasma: Small red Joyramidal, temper aline if tending to heal, higher that the rest of the body-Suppliration of muces & Derous cairties have no granulating 2

(10) cicatrip is never of the same tissue as the parts which it unites. Called the insdular tipour. (1) To yorevent a scar and have a smooth pleant cicatrix. Paint the wound with Collodion - cover it with lint smeared in blood - with achesive Yolaster. That is Keep out the action of almos phere. the surface is smooth and the cicatrix a more line Keep the part moist with water-use vapor bash. (4) The skin in burns is shrivelled, the cellular pessue crisped. (5) Ulcers Lealing in clueus membrane give a yout for cicatrio. Thin and other tissue generally Elevated. Structure of a Cicatrix. Vifue Jui generis. 18 Layer is Caminated basis with no hair bulls, no oil follicles - few nerves and bloodvepels - no Rete mucosum. If the subcutaneous Cellular reforce is not destroyed, it is contracted and shrown into riages. Force of Contraction. Lower jaws brought down upon the sternum - wrists dislocated - This force in its commencement to be contended with by mechanical means. Circumstances which grevent Cicatrization, motion, atmosphere, Too Cow Temperature - Too high dillo Bower of Resisting disease. In cutaneous Erup tions as sciervy, Old sears are attacked first. Hence Sailors and soldiers with large sears are the first to be your ortrated Varrow Cicatrix - Dupomy trans Classification. 15, Narrow Cicatrix -22 Prominent 3" Extensive adhesions. 4#06literating cavaties 5th Organs involved has Prognosis. (2) age for plastic Operations, 3. 6. 12 months after accident before operation. The older the bester. (6) Vascularity. Never cut into a vascular. red cicatrix as it may be difficult to stop the hommogradage: Apply cold water astrin. gent washes linkil the redness disappears-(8th) (The health of the patient) Never perform a "
plastie operation on Pheumatic, Sorofulone, Suphilitie nations as the wound ist liable to slough - and healing by the first in tention (not granulation) is the forine object to be successful in plantic operations. Dieffenbachs operation for the contract

tion of natural Openings, depends on 111 the fact that much surfaces in contact do not unite. he difsects the skin aponus. cles till he comes to the mucus surface this he covers the edges of the wound with it. Nº 11 Mortification Compore hende Gangrene and Sphacelus. Bangrene is the commencement of mortification of phacelus is complete death. Fangren is not Entirely dead as regards the your and you may yo eshaps save it, as circulation Reat . sensibility are all present but on a small 2 Houghing comenes with a red line, a gutter between veale the gangrenous and healthy parts, called the 2 Red Line of Demarcation. The must cure all these symptoms. before oper. 2 ating, as Expepelatous inflammetion is liable to set in followed by gangrene. n When Nature ysweeds to amportate by sloughing The wason that haemorrhage does not ensue is due to the ystasona, which coaquilates and 2 Thus blocks up the mouths of repels and arteries. Time for mortif. to develop itself varies from To circumstances. (3) The instantaneous Mortificahim is illustrated by the White Gang vene, caused for bably by yserious so lying on their limbs as to ee anest circulation; the patient wakes up and detech insensible white you tekes, which will sloughow, Tymptoms of Sangrene The (11) indication of Dan grene of a vital organif such as train, liver, stor mach intestines) is abernation of Mind. 200 9ho Youlse, ishiek has been strong, corded, becomes irreg, wellar, soft, gaseous feeling is if wind was within humied - heart, upon auscultalin, leaps turnelluous, humied - heart, upon auscultalin, leaps turnelluous, humied - heart, upon auscultalin, been dry and dot. becomes cold, claiming, the longue is coaled with a white fur, and upon running it out trembles and quivers like a serpents tike hands if light and quivers like a ferpent iself becomes livid, up quiver, 4th The part iself becomes livid. pulse of the yout not visible, sensibility in a great moadene absent, Except in Chronice Palagrene when the pain is intense. Symptoms of Sphacelus. The color changes from Eindite to a black. Tout affected is dry toft, mo spain, no sensibility; tongue dry and chippy-

12) Imale, steady, quick youlse - hierery. Bullac or white Whisters appear all over the mosti fied yeartion. (N.B. On fracture limbs these Bullace frequently appear; but are then no indication of mortification and should not alarm the patient). The Red Line of Demarcation, is a Bone which The real history appear on the affected side of the Gone, open, discharge, and form a groove. Highly organised tiffene more forms to Sangrene as flegilently are see the tendins and muscles sound when all adjacent tipoues are destroyed. Constricted tipues, such as those in the falm, in the foot, in Strangulated hernia take on in flamation very soons from the fluid infiltrating and crowded linder the fascia; we must open the fascion solv in zven in 12 hours. ellere Color, without a change in heat or condition of the patient does not indicate mortification, as frequently Thrombus, Compound Fractures, Bruises, are thus midaken for Mortification. If the Cause of Gangrene is due to Inflammation, Especially in venerial diseases the porsy. notis is favorable: Take blood locally or generally scarify, leech, bleed boldly, (open ale the blood wefile) you conveniently can in Sangrene of Frencis as antiphogestic comedies, Spirits and water; in short ( A man will come to you with a swall abscept in his palm; now the fluid will infiltrate under a constricted tipue and mortification will Ensue; hence open the fralm freely, cut Every way let it bleed feel, tip you sever an artery take up the radial llena artery or Forced flexion of the forearow on the arm will stop the harmmorchage ] Sangrene due to Intense Cold or Frost-like While while frozen, flaming eed when thand out. Rub with snow in a cold room, when the color begins to return apply the coldiest opple. Calions, If however youin and swelling occer leech, bleed the yout. The great object being to Keep the blood our of the member-If the patient has a fever, apply cold to the parts adjacent to any Sangrene: If weak apply blisters above; as inound the arm when the hand is attacked To Etimulate the patient, give tonies of Barks or Quinine. Opium for priem, Essence of meat in Soups for diet To correct the foctor. Other made of the heat from the state of maine is the best sprinkle the Cotton wadding with Crestole &

Ampulation of hould never be done in 13 Constitutional gangrene, while the appearance of the Line of democication; hampulations or before them of democilations or before them. I so not wait for the Line of Demarcation; in more tification resulting from Injuries but amour Chronic ellortification High divers liable. pains in Extremities (say in the toes) lasting weeks and months, followed by little blue blotch. Then by a blister, then wel-Sternulate in the first stage, Soothe afterwards That is apply blisters on Each toe separately If gangiene Ensues apply soothing comedies give large dozes of opieum, soint after doint will drop off but do not amputate -Hospital Gangrene Causes - air when Epsidemic & Nurses when stale bandages are used = The patient himself when his health induces the disease. Treatment. Lay bow the wound, wipe it very dry; apply link with concentrated withe their Lintil an Exclar is made 14 inch in depth. apply something to neutralize the Effect of the acid, and dref, the wound , This is fright, fully painful and Ether should be used. Wounds Cooper definitions liable to objection; because bones are wounded; and preguently a fonebraking will make a wound and forstrucke through it. a Simple wound = That volution of continuity made by a starp instruments in a sound healthy telsue, involving no important organs - Complicated the Reverse. The tality of an organ modifies the danger. a worker in a joint injuring the cartilage, while is not a high organized tippe, is very difficult to cure -(2) Tetanus, Developed usually in the first 12 hours. If the crisis is traffed in rafety, the yealing is not liable to Tetanus until day have elapsed. (3°) Traumatie Fever = a Sympathetie Fever indueing a local determination to the head, liver Kid.
nous . Etc.
(4) Erysépélatores Inflammation. Occurs very frequently in Small wounds about the head and Especially on the scalps

14/(7) elletastatie abscess. never occur until after suppor ation is fully set in. Symptoms of its commencement; the covered before moist is now dry, yearn occurs in the right side coma sets in. The Case is almost hopeless. Cause of elletastatie absals, day a limb is amyoutated, a sympathy of continuity affects the frain, Kidney, liver Etc. followed by a subacuto of Esculapius "Two Inflammations cannot Ep ist in the same person, for the greater will swal -low up the lefoer. Hence the Inglam of the wital organo becoming greater than that of the (: the latter to the former pas is rapidly formed and death Ensues. Treatment of elletastatie absceps. Thimulends applied without loss of time to the wound to renew the Inflammation. Blood taken locally from the reat of the transference. Tart. antoning Stimulants taken intermally . Etc. Ele\_ Lroegs of Healing. 4 elleshods. 1st Immediate Union. as in a small cut the newes unite to nerves veins to veins Ete withour the inte ference of Plasma To 2nd ellediate Union by lymph or blood. or Union by the 1st Intention of eller. Hunter. Blood closs of small size, according to mod-Erm pathologists, accorganised, and like yslasma, are bonds of Union -300 Union by the Modelling Jorocef = Bond of United by which clefts youth are res-tored by the deposition of Cayer after Cayer of plasma: through the agency of mois-4th ellediate by Granulation or by the Jerona intention of ellr. Hunter & N.B. Hunter's Odhesive Inflammation ean never occur. For according to alle Cartney. Wounds cannot unite by the 15th Intention by Inflammation. but by Simple Excilement, I with station, Sanguisheous Irri-tation. In growth, stand wounds had by muchated call blastones; of The first and Lecond methods of Kealing should ever be adopted when yoracticable as we save time youin, health of the youtiens and Juvene a strong and slightly defromes cicatrix. French author object. That it is aft to promote Tetanus, and

that the your Evolved during granulation is useful for the patient, objections groundly Circums tances preventing Union by 15 y 25, Constitutional people constitutions are sent (1) Bad habit. Some people constitutions are sent that the slightest cut heals by the 22 Intentions such persons can never be Expected to Rave their worunds heal by the first 2 methods-(2) Get, rid of the disease if popile, Sodide of Potassa for Scrofula - ellercury for Syptile's n as these ynever the immediate thisin. (3) after the wound begins to hear, a simple feaver may set in. The wound which was closing now gapes: and we must use active antiphlogistie remedies. (1) almospheric aire Is a Poison to a wound, it stimulates the wound, dries up the Plasma creates scabs, and Keeps up Irritation. (2) Foreign Bodies. These are to be Extract. Ed if possible, but when they are comminuted like glass fragments, then we must resort like glass fragments and poultiers to hasten to water dressings and poultiers to hasten on suppuration and Expel the intruders. 4 as if they remain, the cicatrix will Ever remain tender to the louch -(3) Large Coaquela of Blood, Liston ofserves this fractise; never le close a large wound, until it has been repeatedly spronged and a dry shining coat covers the surface, (id Est) & dry, and glazed with Plasons-(4) Laceration. Threas will not unite by the 1st two mestods, int slough off -(5) Faulty Dressing - Cuts, in the country, are filled with sugar, salt, Ciniment, and The Lord Knows What Else; which necessarily grevent Immediate Union and that by the Inter, tion. ellitter says wounds stoneld be sponged, and then drefsed lightly with a piece of line dipt in water and covered wish an oiled silk - a cerati choth used in artificial and accidental wounds about the thorax and trunks; to guard, against the liability of the partient taking cold -Orncised wounds. Definition = a wound made by a sharp instrument, cutting clean through the hifsued. 3 Characteristics to be attended Ito. Lain, The gaping is due to muscular and or

16/ organie Contractility. Hence the limb must be placed in such a position so as to relap the muscles— Lain due to a wounded nerve. Often an indication of the Extent of the would. a Levered nerve does not give so much spain as a wounded one. Since in the once case all communication between the braine, and yout is cut off. Hemorrhage. Must be arrested the first Thing- Spontaneous assestation we are obliged tometimes to wait for. Hemorrhage from an artery wounded horizontally thus of bleeds more than one wounded horizontally longitudi. nally or obliquely thus A & DI as the fascia and external sheath of Cellular tifs us slide over and close the wound more readily a torn and lance cerated artery bleeds the least as it favors co-cerated artery bleeds the least as it favors co-agulation, and is contracted more readily. But an artery exit artifle bleeds least of all as it contracts, retracts and buries it self in its cellular sheath. The Circulation is reduced, blood does not flow so readily: There here follow Spontaneous arrestation, The blood coagulates about the mouth of the wounded artery: then a clot forms within which in creases in a Pyriform stape, adhering to the walls of the leaving, spedically converting is into a solid oylander, till it reaches the first anastomoring branch, were of course the top of the congulation is wasked off as fast as it accumulates by the current of blood. The artery is thus converted into a peronament fibrothes cord, as in the case of large arteries such as the Fernoral, or, the artery than to -Ridified is absorbed ... us aring thus to -Do afois? Spontaneous aires Lation of Hem-motologe, whether External or internal, lift the patient on his feet, until he faints, in which state he must be allowed to remain from 15-20 minutes. Fainting weakens The circulation, and their blood clots can form Bleed Rim if he struggles and does not faint, carry him on a shutter into a cold acom apply cups, and suction instruments to tring The blood to the surface Give him Digitalis cold, positive rest and quietude, antimory may be given, but it is dangerous for you do not know how much the patients stomach can bear, and if he vomits, the circulation is increase

and he must die. and foot, suppressed by Forced Flexion, that to by bying the forearm on the arm, the legon the thigh this Should Ever be done, before your resort to ligeng the large artimes. The digature, which divides the two inner coats of the artery, plasma is thus formed and the lips united. The cellular or External coat never is cut through, bataun it yields coat never is cut through, bataun it yields that our main object in tying an artery is to sever the other two. The reason why tying to sever the other two. The reason why tying a vein is attended with Razardans, is due to no coas being severed, hence inflammation Phlebitis sels in, mus is formed which mis gles with the blood producing death gature Effect on an allery - Circulation is stopped, evagulation dets in, serum is Evolved or squeese out" closo adhere, and solidify the artery we he a double or Lurgeon's Knot" waring the Egature to prevent it slipping, cut off one string, and leave the other protruding from the world; the ligature is Evolved by Electration, Time varies in different veficle, in the fermone weeks Elapse; If a tendor, nerve, or fascia co included in the knot the time required will be longer; ellust hasten it, by keeping the ligature on the stratect, never jerk it-Then an acting is weak so as to the devide a by the ligature, yeling it with bougis, a cylindrical rice of yeart, and either the over or pin it. In Soft week, arteries where we cannot do this we Elevah the surrounding fascio, around the arter by two temaced the inserted at right angles and draws with together, and the a ligation around the base of Temacula, which effectually stops the Hemorrhage by compression Torsion and Machane Torsion is twisting the mouth of an artery chackure is the tearing of a portion of the drieny both only used in very small blood refels Class of wounds in which it is useful is wounds of Extremities, or over bones or Lard aprices: cavities ooging wounds deeply seated. agents of Compression! Lains, Pressed opinge compresses or the Graduated Compreso, so called from the pieces increasing in dize from the wound inpurado Toucan take away the outer layer about the 4th or 8th day tour do not thus the last layer until suppuration set in

18 and dislodges it. 200 Rollers. I hould be of muslin arth the sizing carefully washed out, should be long to as not to be sticked. Is loudge taken off, no loose thread of sticking out as they invitate the wound. Linen is not to good as it is somoth and apt to where we desire to good as it is somoth and apt to where we desire to good thought of flagoistant. This is where we desire to save thood: Its apoistant greaces one thumbon the main artery and years the other thumbon it to ensure compression. hence as only the artery is compressed. The veins are allowed to discharge their centents in the." body, and hence the blood is not lost. It is also well to allow the limb to be raised a few minutes before the operation whilst compressed to Ensure the Emplying of the veins. This is done where the patient is feele Rectic and consequently cannot bear the abstraction of -Novo plate Dourniquet. before you buckle this The Birth should be in positive contact. 5 th Gawton or Spanish windless. The 4th and 5th aw temperary instruments as they are liable to bring on mor Aipeation is less any length of time.

A Bladder insorted in rectum for piles lumon;
and then inflated is a good compressor. Duppyprens compressor consists of a canula with a muslin attacked into which you ship muslim which this is for cairties as in operation for stone; where ording may be concerned. Refrigerants The best is the atmosphere itself cool and in at .... water, ice, Sulphurie Ether. These agents and used for Oviging alone -The tipue itself is used as a compress, as inhair lip where we fasten the flaps will a pin, which compress the tipues and legen the hemorrhage also the blood, as in violent Epislaxis where lifting the arms cored application, fail, we plug up the more anteriorly and porteriorly. by paging a plexible not or bongie through the inferior Marco and after fastening a sponge to that yorkion in the mouth we draw is back, and the sponge they up the grosterior orifice, we then policy up the anterior orifice or nostril, and the blood collecting acts as a compref- ialled Belloque's Camula a comprefi-Styptics and absorbents Used in orging - Agents. Powdered Rosin in orging : from sloughs. Etc. Cantery and Causties Potential and actual. Potential = elleneral. talts. actual = heated iron. From thould be of a white heat, in deep wounds. Cherry or Red hear, when we do not wish to cause stongs. Used with great benefit, for orging from a porous Juterre ellay be used in Congitudinal cuts of ar-

Leten Used by the French, in Olceration ancurismal tumors; by paping 3 needles with tapes through the diseased aftery. Plugger wooden plugs inserted in the origin of bones when the mutritions artery is injured \_ Electro Puncture an acce functived needle is passed through the artery, and a stream of galvanism sent through it -The manner by which circulation is carriedon is by the capillaries and anastomosing branches. Hence the necessation in large blood. refocls, of tying up both ends of the actory to Ensure against Requirgitating or anastomosing Hemorrhage It is hazardous to tie up a main active, in limbs that have been affected with Engepelas. Because the Inflammation may have oblitera. hed the capitaises, or interprete with the anas. Somose branches; Circulation cannot Ennu and the yeart mortifies. To Remove Comminuted foreign bodies; Pour a stream of water on the would, for several minutes. agents employed in bringing a covered to gether, are. 1st Position. The newseles of the part must be relaxed. 27 Sutures - Serres Fines or Hooked les Tilver Tims. 300 adhesin Straps, Collodeors, Gold-beater's Skin - Court- plaster -2 Sectiones, 1st Interoupted Sections, which are tied Teperately at intervals of 3/4 to one inch - the Knots must be tred to one side of the lips of the wound to guard against irritation. 200 Figure 8 Suture as the hair lip pin wound round with thread. Enquire for common yer man insect Vins. 30 Quill Suture - used in frank liable to slough, as the Perineum when Eacerated du ring labor. The long Ends of this Julius must be retained to highlen it after a few days -4th, Glovers Suture. Sow oper and over, use for wounds of the entertines, The dutine comes out, and is Expelled fier viam naturalem. To make adhesive plaster, adhere was its muslin back, over a bottle filled with warm water, then apply the plaster, in strips, to

20 attacking the two Ends first leave shorting tervals between the straps for the Escape of pus. To take off a strap of adh, plaster, never full is off fut take it off longitudinally from Each end tile you arrive to both sides of the wound, then detack it transeversely. When you apply new straps, take off the old ones one as a time applying a new one in the place of Each old one, before you proceed to detach another oldone. Listons adhesive Plaster, is Gummed elles\_ lin, is transparent, but cannot be used with water drefoings-Mutter makes use of Pratines or Coarse Sauge covered with Cerate for with one turn of roller, for wounds of trunk; and link dipt in water for extremities\_ where union by the 1st Intention is aimed at-If the accident has occurred within an hour attempt to place the amputated portion on, & pecially if it hangs by a skino; and is may unito. Where a piece, say of the arm, is cut clean out, approximate the edger of The wound, and Endleavor to have it heal by the modelling process of elle, Cartery. Subcutanions. Wounds are usually made by the Surgeon, as in the valvular opening to cut the rendo achilles. Sometimes they occur in Stats, where the cuticle closes the orifice immediately; and we must wounds never are Inflamed and heal by our cleated Blastema trans unus his in mulitates cills. Def = Farts torn into Shreds - Blunt Weapon. Causes = ellachinery, Sun Shot, Blunt Weapon. Characteristics = 12 Want of Homorrhage, for Either the asteries are too paralyzed to contrack, or Else the blood coagulates en the Threads 2 nd Want of Vain for the nerves are Either destroyed or too paralyzed to Keep up the Sympathy between the brain & wound\_ Treatment = Tee up all arteries to granda. gainst Sec. Hemorrhage. Keep on the Cook out for Houghing. Where you wish but one scar, as in lacerations of the cheek, cut off all the shreds make a clean wound & unite the edges -

so as to have but one scar. But in lacera-121 led wounds, of Extremities, or trunk. Lay Each shred down carefully in its place, avoid if possible, stitches, sutures, tight bandages as they promote sloughing; apply the cold water drefsing, if this increased pain change it to link dipt in warm water, and covered with oil silk. If Supparation sets in, cut away all dead shreds, fromote by warm water dressing ellitter does not recommend youltices, as they grow stale, Keep up irritation and promote stought General Observations = Determine at your 1st visit, whether to amputate or not as Primary amputation is always better than secondary. If you conclude to amputate, wait for hours is Even days before you touch the timb, until reaction sets in and the patient has recovered from the shock to his System from the accident. Even if the bone, stript of it's Tenosteum, forof the main actory is felt below the wound, the patient constitution, and the weather favorable always attempt to save the limb-Contused wounds. Def = Injury to yearts with cuticle unbroken 3 classes of contused wounds. Thrombus - Ecchy-mosis - when the Parks under the cuticle are reduced to a Pulp-A Bruise or Simple Ecchymosis = Laceration of capillaries & Extravasation of Blood in the cellular tifsue. It is first Purple the color shading off - Suction and Painting used by Malin gerers. Suction determined by Each globule of blood being distinctly seen. In painting the color does nos skade off. Stasio after death produces all the appearance of Forcises but the cuticle is in such cases a dherent, and no coaquilation of blood-called Suggillation and no Treatment. In truises of the Eye or ordinary bruises apply Cooling Lotions, and the purple color will change to yellow and greenish Gellow. At the change to yellow and greenish Gellow. At the 6th or the day if the bruise still continues, apply Steinelating Cotions, Salt and water, Time Todine 1 Leeching will not remove the blood - but general depletion may be efficacious -In other bruises, say of fire arm, with circumroller bandage Keep it wet with ice wester, bleed in the opposite arm - Never open at first as hemorkage may Ensue. If clot increases lay open the skin, do not remove the clot but apply warm water dressing, it will soften

1

and be Expelled, leaving an aleer, to be Realed by granulations. You may be obliged, in cases of obstinate hemorrhage to the up main artenes Lunctined wounds Def. a wound that does not injune vital portions, as Rusty nail, needle punctures which if in The joint may be fatal. Round Instruments make like cutting In -Struments. tinear Edges; but in the former the edges are depressed, in the latter the Edges, are Even or Everted youting -Treatment of Punctured wounds of needles where a view is left in the hand, if you feel is cut down and cut it out; if not, let it remain. no danger of Telanus\_ apply warm yroutices and wait until the needle works it's way to the surface and your can feel it. If a needle throaded is thrush into the flesh, cut down. Keeping the thread as a quide-Rusty nail Cover foot with lint and Equal per of warm water and Landamin " younge the patient. If twitches occur give a mixture of Calcample. Opium do not space the latter apply . Counter irritations along the spine. Sive Ether and Chloro form when spasms set in .. N.B. If inglammation sets in the wound from a nail in the palm or foot, and the lips of the wound are Everted, make a free inscision with a yrobe pointed vistory, cauterize with Nit. arg. Is a general rule, exever dilate a punction wound. And use warm water dressings. L'Enstrating wound DEf. = Differs from the forther, by being made with sharp long instruments, wounding large cavaties as lungs, stomach\_Ete-Greatest danger- Internal Hemorrhage and Inflammation Especially in wounds aboutab-Foreign bodies to be removed if accepsible, and orifice to be closed as soon as messible-To arrest Internal Hemorrage. vide page 16. Loisoned Wounds (1) When produced by insects in stamine with a glafs. take out the stings the poison is always acid here more more than by alkalies. Salto water. ag. ammoniae.
(2) When produced by bites. The ligature above, Excise cup or Sucktion - Causties - To outlies - Nit. ang. Do not suck if you have a Carious tooth- cold sore (3) Diffecting wounds - Suction - Courties - blister above

the wound, and passing all cound the finger. [23. apply leeches - poulties or cold to part - Constitutional remiddies -Rabees 3. Groups of the complaint. 1st Comprises the Symptoms during incubation. m, wound Either closes, or a tender cicaling remains. The Bymosis is said to be stationary-2nd comprises Constitutional Fymosis patient is Either depressed mal aire, or Raving 3 rd Where convictsions set in , followed speedily by death X. Treatment. Excise creating - cauterize Nit. aro. v. give indefinite quantities of Opium-When Convulsions set in - case hopeless give Esher- Chloroform to Ease the spasmses Gun-Shot Wounds DEF. = Solution of Contenuity by fire arms -Varieties. Depend on form of the missile - project-tile force - tissue involved led ad 24 Characteristics = two, Constitutional and Local. Constitutional = Extraordinary Perturbation of The Nervous Lystem. Fever- Inflammation of wound and whole system - wift: the Local. If the missile is cound and swift: the wound of Entrance is a smooth hole, depressed edges-bluish Wound of Exit - Ragged Ever. tell-tacerated One wound of Entrance, may have two or more wounds of Exit, due to the splitting of the bullet on some sharp bone -Sometimes there is but one orifice, the bullet If the buller remains flattened in the would ge of Exit, it indicates, that the person was in contact, at that years, with some hand substance 2 windwounds, so called, caused by a spent ball revolving on it' axis, taking a curvilienear di. rection tand striking obliquely; it may destroy ale the lifewed of a limb, and cave the cuticle in its 2 doeal characteristics of gunshot wounds in integrity. general, 1st ellore or less discharge of blood, according to the lesion of important refel w cised wounds. The plain is intense where lesion of nerves, and serous membranes are occasioned se Treatment (1) If the patient mental or physical your ers are prostrated, make no Examination of the wound 7 until naturally or by stimulants reaction sets in (2) arrest External Hernorrhage, by the ligature, tourniquet, ore

Etc. Internal by remedies on Page. 16. (3) Examine bound, after placing the natural in the position, in which he received the wound - ringer the best probe. Silver probe for small w-(4) Remove foreign bodies if accepible; by Sun Shot Foreseps of Dr. Every. Never delate a evound for this "purpose, nor take "pieces out of the bone, except on The skull, and flat bones. Make counter openings where you distinctly feel the foreign body. and with a free incision lines - 1/2 inches\_ (5) Drefs the wound; with the lightest bandages, as The wound swells and compression would induce Sphacelus. always apply warm drepings to the frunts and sacredly Eschew poulties as they grow stale and promote mortification - Do hot Thug up the wound with link on Supperration, you must look out for Secondary Hempatient is safe from this up to the 5th day but from this time until sloughing ceases, he must be vigilantly watched. If a Thrombus occurs open and let out the clot, if Hem, serious the up mainlar. (7) If the foreign body cannot be Extracted, and sup. quevation threatens the life of patient, amputate Extremeties, and you will be justified in dilating wounds of the trlink to remove the foreign body-(8) Two Inflammations are to be dreaded, called The two Compelications of Guthrie. 12 acute Erysepelatous Inflammation which should be jury thy checked 200 Engargement of wounded lines. Thining as if smeared with varnish, and swollen you will almost always be compelled to amputate. (9) Support general health give opium for pain-Shot wounds Pick out the superficial ones, leave the rest. Gunpowder Wounds Take out the particles with a needle apply warm poultice to soften the lifour. Then place a blister over the wound, wait till the cutiel is Exised, and filled with serum function it, and the fluid will washout the remaining year. hiles of you der which would otherwise have discolored the Skin -Prof. Mitter disagrees with Lurgeons who reecommend amputation, where butter is lodged in The thigh bone, and cannot be dislodged. For he affirms, that the ball may have an opeous dep osition, or be Encysted so as to produce but slight inconvenience -

3rd Division, or Deases of Regions & Organs\_ 125 I. Injuries of the Head. Mounds Head. Importance of the Injuries. The Lealy consist, as far as Surgical anatomy is concerned, of 12 Cutiele with hair or. 20 Collular tifrue 300 Museular and Fibrous Coat 4th The Collular tifrue 5th Pericranium or Perios keum 6th The Skull 7th Dura ellater 8th arachnoid & Vascular Covering. Now from it's high organization the scalp is liable to Erysepelatives Inflammation and as there is a di-rect communication between the Penicranium and Dura Mater, the latter is liable to be affected similarly. Incised wounds. No injury of the scalp beneath the notice of the 1st auest Hemorrhage 2 th Phave the lair well off. as Jurgeon. the wound may be Extension and concealed by the Rais avoid stitches - approximate Edges, close with ships of adhesive plaster - Line dipt in water . Immediate antiphlogistic treatment and diet. N.B. a wound involving the Occipilo Frontalis, is the only one to be closed with the stick. but we must avoid - Stitching the muscle and only tie the integument Lacerated wounds. arrest Hemorrhage - tievefels Exposed - Thave hair bring the scalp to its position cetain it with adh. Plaste. (avoid the use of stitches - compression - bandages or Even cap). Lint dipt in warm water if halent prostrate - cold water if fever or ceartier sets in -Lay each shred down carefully -Contused Wounds Tumour arises from sufiture of blood refils in the scalp. If the tumour is pulsatile it indicates an injury to some main actery. Comprefs or take up some main artery until the pulsation ceases.

Apply ice water to allow the Bood to coagulate. & Bloody Tumor Diet- Junge - antiphlogistic treatment. Use stimulating totions - autesive Wester . to absort the hardened coaquilated clot. Turn it out by free incision if the clot is solid and count be absorbed as by Progressive absorption the bone may be involved. If tumour is hard-inflamed - toft about the Edges This tumour is yearlier between Scalp. Etc. Suppugation may Exist between the Occipilo Frontalis and Vicranium, or between the Pericranium and as soon as fluctuation is perceived in the obscure swelling, make a free inciscion down to the bone as we do in Paronychia, to relieve the firm tipues from stricture -

c. Separateon of Dura ellater. after a blow, a child's is changed as regards temper— lies perfectly quiet-asks for nothing- great languer, hot fever - squinting of Eyes - Spasms - (chills which indicate the commencement of Suppurations) convul-Tions and A. The arachnoid and Vascular coverings, are emodered and deposit serum and Jus. Usually fotal antiphlo in gir hie treatment. Give ellercury to abrost the serum. May trephino the shot indicated, but 99 chances against Sunctured Hounds Such Hight causes bring on Neuralgia - Inflauma. Sinch Hight causes bring on Neuralgia - Inflauma. Since Read - Line with water - look out for 2nd Class. Tetanus Class - wounds of the Scalp and Bones -Ineised - Laceraled - contused - Tunctured wounds Causes = Sabres - axes - Jaws circular. In simple cut, without laceration, close the External wound at once -When the bone is lacerated, do not close Entirely, Trust a piece of lint, to seeve as an outlet for the pues, and Serum. Just the avered in a dependant position. In wounds, when bone and selap, are sliced off clean, and hang by the older, but both scalp and one in position -Bony fragments hick away. bring back the flap alone dense filrows membrane will close the bony orifice-Where the scalp and bone are lost. Shave the head - dissect up , on each side, between the Occipito Frontalio and Perieranium - leave Each plan attached at one Extremity by elle. carteny's process. Tenetrating Wounds Causes = Ramod. Bayonet - Dirk - Che The Cerebrum is capable of receiving a large woundwith. Draw the offending cause out; if broken in, and in accepible withour dilating let it remain by the missile is firmly lodged in the bone, tre Thine around it, or use the circular saw to des lodge it. I reasment. antiplogishe. Sunshot wounds Do not Extract the bullet if lodged in the brain because greater englammation will be the result. and perhaps the bullet may become enersted. Do not close the wound. line dipt in warm water. Patient usually dies in 3 or & days from Inflam mation of brain, his mind usually unempaired.

c. Wounds of brain, membranes Ele. 127 Compress or ligate is. Encephalocele. or Hernia Cerebi. after a fracture; the brain may become swollen and too large for the scull, it then forotrudes from The wound, increasing with fungus granulations.
The patient mean time has guick initable pulso abernation of intellect and is petrile.
Now we must not your back the protruding mass into the cavity of seedly because the patient with expire from compression. But cut off the mass close to the sciell, and apply lint dipt in Lime water to harden the tiquehut a strap on - Sive antiphlogistic remedies. and Mercury until the gums are touched. Prognosis. very unfavorable. III. Fractures of Bones of the Head. a blow on Frontal, orbital plate may be fracture. a fall on the feet may fraction the Petrons, or base of Varieties. Simple Fifrance, as an axe cut. Counter Ripune on the opposite side struck by the blow. Multiple Frace ture with comminuted Theres - Camerated Fraelun with double depressed Edges. Simple Depressed Fraeture or one Edge depressed. Stellated Fracture, gen Erally on the inside endiating from a depressed blow on the outside. Compound Fracture of all the above, ne where integument in addition is broken a Fracture of only the External plate of skull may occur, but only in adults. Children's bones, are frequently depressed for days by a low, and then recover their integrity, without being in the least fractured. Symptoms. Fractive of Petrous portion of Temporal bone, or base of skull, is followed by all symptoms of compression, with discharge of blood and Serum from the Ears. patient always dies. a Blow on the Frontal bone, with signs of concustion and compression, with protrusion of a black Eye out of Sockets, indicates fractine of the orbital plate, with Extravasation of blood. . The fracture of the Outer Plate of the Frontal Sinus is indicated, by Emphysema, or the inflation of the whole scalp with wind. Treatment. The diagnosis of a simple fessure line, and nerhaps slight depropries to the touch Do not trephine - of the patient is comatore. Bleed. when compression is indicated - antiphogistic -

28 I'm open fracture; trephine, and take away the friend Fracture of Orbital plate - Do not puncture, unless The Eye protrudes so much as to Endanger the Eyesight. Hen punction and suck out the blood. In Fraction of the Frontal Sinus, attended with Em Inhysema. take away the air, by younclines ser more from the seat of injury. apply cold. outer sable drivers, Elevate if compound, let is be is simple. If the inner plate is troken, use two treppines commencing with the larger one. Def. That lesion in which the train is thrown in. to simple Acillation - or Oscillation with separa. tion from it mambranes - or Oscillation with laceration of fibres of the brain -The above proved by Garnat, by a matrix filled with jelly and consaining stracers. Symptoms. of Stunning, or Vimple Oscillation. patient staggers - sels flaskes of light - incoherent. disposition to lie down. of Oscillation with Separation ofrom its membranes. patient senseles - coldskin - quick feeble pulse -Jupil contracted - mausea and comiting. If you tickle his foot or shake him, he will would for a little of Oscillation with Caceration of fibres. Convulsions linvoluntary discharge of facces - impossible to arouse him to even mimentary conciousness -Treatment of Stunning - Keep quiet - horizontal position- gentle stimulants. It may lay the found-ation of Implammation of brain, and shall be watched. of Lop of Consciousness. Throw hot water and brandy up the excluse - place him in warm bed - mustard plasters. When reaction dets in purge by injection. give Fast. ant. with neutral mixture - diet - bleed only on appearance of Inflammation N.B. Never your down liquid, if he cannot swallow as it will fice the lungs. Never bleed during the state of insensitility. Never apply volation salts. or Espenses of any kind to his nose. - of 32 degre. almost Ropeles - stimulate greatly use electric and galvanie agencies. (notions dies from Symples on pression of Brain. Def. Brain proped by some thing between it and double - or by something within the substance of train. Illustration aberration of mind - Toaralysis of a dog. who had a dry and wet sponge placed on his brain causes. Depressed bone - Effusion of blood - collections of your and of serum - (Patient dies from as phyxia) General Phenomena. Skin warm - Jupils dilated, pulse slow and laboring-cant rouse the natient.

Offertorous Respiration - Whiffs - retention of 29. "Manner of ascertaining the nature of the compression 1st The compressing cause is a depressed bone, when The patient is knocked down, and immediately ties denseles -200 of the nation has been stumed, got up and has been perfectly well for hours or days before he exhibits symptoms of comprehim it is Blood. 300 If a couple of weeks have clapsed since the injury-with a little pain in his head-with chill or rigors. Still nausea. It is Pus. 4th of there is no chill, but naurea and head acke, it is Serum. Treatment. 1st When the bone is depressed. trephine Temore the fragments or Elevate them -2 m If from Effused blood. Trephine below the would or on the opposite side to the side paralyses - by the clot is between the Dana mater and Scule, break it up with your finger, and let it be forced out by the quelsation of the brain. If under the dura mater and the train purplish, make two deep crop cuts. For Pas Before you resort to instruments\_ Bleed. freely- Cold applications - Stimulant injections -0 3rd Pus and Sevem. Trephine without delay -6 Trephineng. Bircular Saw - Haze Saw - TElevator - brush - scalpel with chize at one End a round Triece of soft word to Parts to be avoided" Never trephino over the dagittal Suture, as the Longitudinal sinus lies beneath. Nor the occipital - nor the middle of the Temporae bone as the remporal artery and folia are there. The Operation" Do not cut the scalp but questaside the wounded pertions for the admission of trephine if posible. If not in an compound fracture make a crucial incision with four angles - If the integ. ument is sound make an incidion thus ). Disseet up the flaps scrape off the period town. Place the point of trophine on the edge of sound bone to as not to depref further the broken niece. as soon as you reach the diploie the gutter will be filled will blood. Remove the point, and work more scendy on the under table, Examining frequently with a probe so that you may not penetrate the brain. as soon as you have perforated the inner table anywhere cease to saw, and yorige up the pieces will the Elevator where the bone is depressed bring it to a natural position - Examine train carefully to quand against Imale spiculi. Bring the flaps together and secure 20 Them will adhesive plaster, leaving an opening for the Escape of Thus. L. Dressing = Lint dipt in water- antiphlogistic

30. The opening in the bone will be closed by a strong membrane. Fracture of Spinal Column Usual seat of fracture. Spines - Bony bridges & body. Division. 12 Those above the 4th cervical 200 Those below this print -Injuries of the first are always fatal as the great is phrenie nerve is injured - the diaphragm is hards is yed and the patient dies from asphypia. 5 In injenies near and below the lett, berviere. There is and Entire paralysis all below the sear of in giery- the abdomen becomes Extremely inflated will wind, due to the year alysation of all motion of intestines - Relention of Virine - involuntary discharge of faeces. - previous cola skin bet comes very hot . Diagnosis. Told from luxation, by depressing the Time. Place the bony spine in sites, it will be main in position by the swelling preping on it. Tready the patient in bed. exalion If above the 4th cervical - Death the usual result. Vertebrae most liable. The Cervical, Especially the 22 This may be becated in 3 ways. I'm Simple lacer of the anterior legaments as moderator, and The Processes Dentatus is Thrown on the Medulla oblingata. 2 nd a severe blow when the back of the Real the transverse ligament is broken, and the head with the 1st vertebra is thrown forward, necessarily implicating the medulla Oblingate 32 The Drocapus Dentatus is broken acros indicating a blow supon the top of lead, or of it's being twisted.

Symptoms of partial luxation of cervical below
the Ith Difficult Respiration and deglutitionRead twisted immerably to one side - Spinous & transverse processes irregular more or les pain from twisted newves. Tortecollis a seight force will put the head into place, and the Herrio Claido mastoideus of the paralysed side will stand out like a whipeord upon turning the head the opposite side in Torti Colles) Treatment Let the Luxation alone if the pain and other symptoms are light. If however all the above symptoms occur, and life is in judgardy, warn the patient of his danger as in the operation the medulla may be injured. Make the Patient Lit on the floor - let two strong persons hold him down by the buttocks - grash the head firmly end. the chin, and pull in the time of Displacement.

as the bones separate , which will be indicated 131. by the lep resistance - turn the hear slowly in situ and let it drop into the socket. Keep the head stead-ied for 2 or 3 weeks, as a slight cause will reluxate. Exportaneous Luxation\_ Bauses. Baries of the occipital Condyles, from Scrofula - blows - Syphilis - Development - 3 Stages - 1st. Forming Stage 22 Development 30 Convalescence. Cohew one condyle is affected. Symptoms of 1st Stage. Cohew one condyle is affected. Pain on turning his head- teans it on his hand-pain in deglithion. a swelling will be detected under the mastoid process of the affected side when two condyles are affected. The head leans upon the chin. Wreatment of 15 Stage. antiphlogistics \_ leach - blister locally - Godine if ocrofule. Symptoms of 200 Stage. Hectic Fever - Cannot bear The slightest jar - intense pain - Freatment - a Seton in back of ereck - cold salt baths -Curvature of Opine Def. any deviation of the spine, from the line of gravity - due to irregular muscular action. Varieties. 1. Lateral 200 Posterior - 300 anterior -Lateral Curvatere is most common, accompanied with two curves. Posterior curve, is round where irregular museu Car action is indicated - has slarp acute angle in caries of the vertebrae -0-Cause of Lateral Curvature are - Sex- children - Scrof-0 alous distempers -There are two deviations in a Lateral Curvature 1st a deviation taking place first in lower dersac and upyer lumber called Prinnay Curve. 2 decondary Curve due to the Efforts of patient to Keep his head upright. Symptoms, Inclination of one shoulder - child hitches the shoulder up to proceen drep from slipping thoulder grows out "or projects - a distortion of opposite his which some hard all along the spine to leave a sed are, which will show the amount of curvature Delloid mustcle Easily detected for in paralysts, by Elevating the shoulder of affected side all cein ature will disappear. Natural Inequality detected, by placing a book under the shortened limb, the curvature will also disappear. re ) Pathology. Does not depend on dislocation of bone- nor on disease of ligaments or bones; but is the result of ir-1 regular muscular action -Effects. Distorts adjacent bones as ecbs - soft lipues - Causes difficulty of Presperation from confined chest Irritation of bowels by Flatus - anchylosis of concave side of Verv.

32. | Marriage. If Pelois undistorted, all right -Treatment. Get sid of the Causes - relieve the columns from the weight of head and trunk - Spine chair - braces, with a food for projecting side - Cold bath - lie on plane surface - streeting by fastening lips - armpits - and throat - always support the Spinal Column -Gerando operation of cutting the muscles of the cineaux side useless where there is anchyloris of the vertebrae which most cases have -Palvanismo. simply a relief for oppression in respiration and flaters in bowels Shortened Spine causes - atrophy of the intervertebral Substance. Prognosis. Irremidable -Caries, or Pott's Disease, of Spine. constitutional Causes. Scropula - Tuberculosis -Simple Inflammation - from falls-blows. Master -bation anterior portion, or bodies, of vertebrae are Eaten Symptoms of Forming Stage - Children unusually backward in walking or setting - scream if placed upon their feet - trips or tumbles about complains of great fatigue on slight Exertions. Fresh your finger along the spine when you come to the diseased spot the child will scream or take a sponge with quite hot water, draw it along the Sprine the child screams at the diseased spot : Symptoms of Lecend Hage or Supperation, Patient miserable - feeble - fevered tongue and skin - yearns in abdomen - a puffy swelling or little Knuckle found on Either side of the spine -Treatment. Horizontal position - Cups and Caches Support head and trunk - Time. aconite - purger deel\_ 2nd Stage - When hectic fever 8ch in- abscels - paralysis abscels pointing to the groin near Poupach ligament. Change the room air - Todice of Potassium with cod Liver Oil Counter irritation - issue on each side of Spine - Cold states bask - frictions. The great object of the physicians is to thing about anchylosis of the vertebral hence it will take months to decomplish this. Lumber and Psoas abscels. Def. an abscess developed in the Cumber regions, de. Jendant upon Caries of the Pine - The Res trickles along the side of the Proas muscle, and lodges about. Thoupart's Ligament, pointing to the grown Symptoms. Rigors- Lectic fever - Pluctuations - Todyne with Cod liver vill - Paint externally with Todyne. Soop Cerate plaster - Rest. Do not open it unless ulcer atton is threatened - If you open it, Open it under warm water to Keep the air out; This is a new method of Trop. Bornêt.

Def= Malformation from arrested developement of Result - a Hernia of Spinal Membranes with a tack of Serum- it is the celebrated Subarachnoid liquid of Brognosis - very unfavorable - Hagendie. benos of the Spine. Freatment - Buncture frequently the sack with the fermest cambric needly - Compress quardealy as fast as the sack skrinks or shrivels. a stock electron was Justing some Electric ring about the base, changing it for one smaller until the base is enduced to a pedunch, then cut it off Orgunies and Diseases of the abdomen wounds Varieties = Superficial and Penetrating. Superficial are those evounds which are between the Telitoneum and Superficial fascia - Penetrating are those which mierce the Peritoneum, and may be of two Kinds 1st Those involving the vescera 22 Those in which the Viscera is Prognosis in Superficial Wounds - Generally Javorable may give rise to abscep which shall absorb the muscles and have nothing but Peritoneum and thin or it may produce Inflammation of the Peritoneum - Hernia may be developed through the tender cicatrix. Treatment of Superficial cuts = Flex the thight on the pelvis and Elevate the trunk so as to celas the muscles-Stitch in the integument avoid the muscle; if the mus-cle requires stitching, do it superficially. Penetrating wounds where ors important viscera are inqued, after reaction seto in 200 distreforing symplems arise. Close the External wound or wounds. Lorizontal position - Large doses of Opicions to stop Peristaltie mo. the bowels by Enema. Tenetrating wounds involving viscera. If the intestine protoudes uninjued, moisen it with warm water pull Each End the End that yields most readily must be pushed in first, as it came out last - dilate the wound if necessary - close the External Orifice -If Omentium and Intestina project together, nuch the intestine en ferst. Wounded Intestine. If cut in a straight line not more than 14 inch, return it untowched. Mucus men brane will block up the Orifice - When more than 1/4 ince in length, pust the Hovers Suture on; it will come our her viam naturalem - When the orifice is 20 Juenclure, round - the mucus membrane will not block it up, hence Finch up the orifice with forceps and ligate its base, cut off the Ends and return it -The patient in all these cases must lie on his face or side so that all the weight of the intestines may quavitate and the wounded artestine, and glue it to The walls of the abdomen. To dilate the wounds, it generally only necessary to If omentum is lacerated - ligate the vefsels, and cut off all toose shreds before returning it -

34 Where the intestine is severed - Either make and are artificial anus at the wound; or do what Suthine recommends=12 Tobert of Paris prague a straight needle through all the coats of the intestime, and makes, 3 or & sutures, but before he tightens them he prefses in the Edges efte intes-200 Lombert tato does the same as the yore-Ceding, Except that he does not paste section through the ences coat. There being 4 coats to the bowel. Ist serves or External 22 Musculas 32 Febro Cellular 47 Mucus or Internal. The old methods of Invaginating when one shealt is placed within the other a mucus in centact with a ferus, cannot unite and is uselef also introducing the tracker of a calf and sow-Ing over it, is and attended with scheeff? I'm all these cases the patient must lie on the wound so that the intestines may gravitate on the wounded bowel and proff it against the paidles. wounds of the Stomach -4 Kinds The daceration with a sound integu-ment. 200 slight wound in the Parietes and sto-mach its elf 300 daceration with small exter-nal orifice 4th Portions carried away by bullets. Diag of 15 or Laceration with sound integerment. The matient day has received a Kick, he Exhibits all the common symptoms of concerfrien, in a bout 15 minutes he will vomit blood- abdomen becomes greatly distended - Excessively tender. Prognosis = Unfavorable - may recover from quick Effusion of Plasma - Peritoritis. chief danger Treatment = Let no water, food, medicine of any Kind passinto the mouth, To Ease the thirst let him suck a wet rag- inject cold water inject warm animal broths - Opiale Injections -Depletion - formentation. The contents of the shomach or Fastric fleid - place the wound in The most dependant position, to let the blood ste. runout, when it ceases to flow close the Exter. nal orifice - In internal Hemorrhage, bleed till he faints - (3 %) Dilate the wound - Cut away shoeds. Now up the stomach - natienton his belly-(4th) Let the stitches include stomach and abdominal Pacieties - Opium, Enemas wounds of the Intestines. Symptoms - Distention of abdomen - hemmorthage from bowels - Exerding of Either Facees or Sulphuretted Hydrogen: Treatment, wound in a Generalent position sclore if a simple cut - Sont close but noullier of due to the yenetration of a bullet, as this sloughs.

loounds of the Liver Symptoms - almost Julseless nausea and vorriting - Pain in the right shoulder - swelling of abdomen - Saundice at a later period of abdomen -Prognosis = Very Unfavorable. Danger from Internal hemorrhage 3 Varieties - 1st Laceration of The Paleen, with the integriment uninjured. 2 Injury to both Splan and integriment. 37 Extensive whend of soft Thanks and protrusion - Internal Hemorrhage -Prognosis Extremely unpavorable -22-Copious discharge of venous blood- wound . dilate it - Bush back the sound parts of the pro truding mass - Cut off unsound - ligate Leounds of Large Defrels. General Rule = Dilate the wound and ligate the ar tery-Concussion of abdomens The symptoms of a shoet to the Solar Plepus are porostration - feeble pulse - cold skin - insensible yet susceptible of being roused - without vomiting of blood. ing of blood. Treatment warm bed - mustaid to the fit - hot trandy and water thrown up the Prestum dry warm, batter to the from nevirous short. Varieties = 1st Superficial, in the abdominal parieties between the Integument and Perilo-neum- 2 Those within the abdominal Parietis. In making a diagnosis of the anterior part of the ab-naviness 3 domen be guarded -It the tumour is circumscribed - painless - uniform the result of a blow - Itis either fibrous - or fatty tumour If it fluctitates, it is due to Pus, or is a Simple Custbut the best test is the needle, which will be fixed in a filrous, and move about in cyst-To diagnose a Tumour of hernia\_ change of position. or compress will reduce it, or if irreducible the ha tient will say that he could once reduce it. This can be said of no other tumour -Filrous Tumours on the abdomen should be left alone if Stationary and produce little inconvenience. 6, as there is danger of Peritonitis and Eryschelous -Frequently a Superficial tumour will adhere to The Veriltneuen, rendering dissection impossible -2nd Tumours wishin the abdominial Parieties are called Ovarian; these may be fixed or movable -[If fixed no man caro diagnose what it is] The dangers are due to adhesions to Intestines\_ e Imbedded in congenies of blood vefsels - and Penito. nitis\_ Slitter is sproved to an meration\_ 1\_

36/ Two Operations for Ovarian Tumours-Cartilago Ensiformis to Symphesis Pubis of two inches above to Uterus- Seizo the tumour, lap is - tie the pedialocut off the Cy Fishelae -They are not due to projection of intestines, but their agglutination to the abdominal Parietis. Treatment = Close Externally-trufs - Nit. arg-Operation where large foreign bodies have been bodged in the stomach - an incision parallel to Cartel Ensigner of Paisoning in Corrosive poisons, or of Solids -Test the tongue back with one finger, introduce with care not to be bitten-Def .= a Protrusion of avaninal viscus, covered 3. Varieties = Reducible - Irreducible - Strangulated. 1st Reducible, can be returned to the abdomen by com pression or change in position hypertrophy - adhesions - Haters. 3 5 Strangulated, is irreducible, and the circula-3 or Strangulated is irreducible and the cercula-tion is Either partially or Entirely obliterated— this phenomenon if not the swelling of the contrace— tion of the Rings, but to the swelling of the oriscus thereby prefring it against the Edge of the Pring-Thereby prefring it against the Edge of the prolonga— Thereby prefring it against the Edge of the prolonga— tion of the Priloneum— The Sac is not present in Congenital Hernia, nor in Hernias of long in Congenital Hernia, nor in Hernias of long or blion. The Sac is this in recent cases from the orblion. The Sac is thin in recent cases - very thick in older hernio. Three and tomical divisions to the Sac. The mouth- The NECK - The Body. The body is sometimes divided into two by Pouparts Ligament. Causes - Climate NES Violent Efforts that diminish The capacity of the abdomes General Symptoms. It for Reducible Tumour cans be passed into the abdomer (if in the act of possing a gurgling sound is made it is intestine - of it pos-ses slowly, feeling doughy and inclastic, it is omentum I Indegestion Irregular action of the bowels. 200 of Strangulated - Disgrosition to Costive help- no pain at first - tendernes in turnour - Sichnes at The stomach - pain of abdomin Distension of it vomiling contents of stomact, and stercoraceous matter- general prostration samine Carefully The Diagnosis of Hernia may be confounded with Colice Perilo hiles and Ileus Passion - Poisoning. In Colic have Ever the potient losses about and presses upon the abdomen - not so with Strangulated Hernia, he keeps quiet and prefour increases the pain-Treatment of Reducible Nernia, Palliative and Radical-(a) The Truss, should be slastic. Soft had for child and

glass pads for old cases of Hernia. This operates in 37.
glass pads for old cases of Hernia. This operates in 37.
two ways 1st retains the protrusion within the abdomental patients 22 Produces adhering and closes the orifice of the canal by the inflammation it excites.
The truss should be worn all the lime for at least iguar. (6) Inject the sac with a Tincture of Todine, and at it to main there. Before the operation your compares the External ring. This is attended with some danger. 2) Invagination of Integument (Gendy). wash the two mour of External ring with Caustie Potash until the integument is raw then yush it up on your finger integument is the then frust it up on your finger live an inverted finger of a glove, retain it in situe by paping a suttree through the doubled Integument and tie it over a cork, This trings the two raw surfaces en contact, they unit and form a plug-yrreducible Hernio, Califer = (collection of Platus - telates by friction, I tomach tube passed up the Rectum, castoroil f. Inflammation, treated by phlebotomy cold applications). althesions, treated by Peale's Graduated Compreso, with a covered spring ring. Hypertroppy of Omentum, treated by the Suspensory trufs). Strangulated Hernia, Treated (a) by Jaxes, this is never to be continued over a minute, while the tumour is red, infla. be continued over a menute, while the Umode is see, type one the sensitive. You must first veniseet apply cold med fest veniseet apply cold tube up Rectum, then begin the laxe's after the Inflam tube up Rectum, then begin the laxe's after the Inflam mation has subsided. Be careful in your Taxes lesh mation has subsided. Be careful in your Taxes, lesh you produce a reduction en masse, that is, you te you produce a reduction en masse, if the viscera into the nove storely, Keep on; if they can dillion. more capidly they are being ceduced in masse.

(6). Blood letting, simply for ceducing inglammation.

(c). Hot Batho and Ether, to relax the bruscles-(8). Opium of itself will reduce a strangulation. (4). O'Beine's Stomach tube up the Rection for Halus. (K). Not dee, but dee water, a very proper application. Now the time which you must limit yourself to, in us. Retent - small intestinal tumours. 2 or 3 hours for barge, old, omental tumours; then if these remedies fail operate immediately. Operation. elletter recognises but two 1st Cat. Through every thing down to the stricture. 200 Divis only be done when the Peritoneum is so transparent that the viscera can be seen, and we can be assured that no mischief, like mortification, is going on. Inquinal & Scrotat Complete Oblique passes thing the internal and Exter-nal rings lodging in the Abdominal canal. anatomy of parts I Integerment - Superficial fascia, con taining Haller's artery ad certem abdominis - 3. Tendon of the External Oblique Muscle which this on it's way to the Pubis, forming the External Ring - Transverse filres, called Retinacula - Intercollemnar Jasces or Coose cellular tifsue of the Spermatic Cord in males on round legament in femals- Internal Oblique-Fransversalis Fascia Transversalis forming the

38 Internal Ming - Infundibula Fascia reflected around the Sprermatic Cold - Epigastric artery, running be the cero the two rings, neater the internal - Peritoneum Divo fostae in the Pelvis divided by a septem formedly what was in the foctus divided by a septem formedly what was in the foctus divided by a septem formedly what was in the foctus deviced anticipant the outter fostae of the inquiral Herniro Hernis in the inner ellode of formation; In the Oblique, the viscus descends through the Internal Pring, usually in front of the Sperbratic Cord - When it bets to the Internal ring it is covered by Percioneum and Infunditula Fascia on 3. is way to the External, it carries along Peritoreum. Through the External Ring it has 6 coverings, = 1 Integu. ment 2 Superficial fascia - 3 Intercollumnar fascia Junica Yaginalis Communis = 3 fascia: the Intercollum-nar fascio- Cremaster - Infundibula fascia: Seat of Stricture. In recent and small Hernias, Either at the internal sing or injector margin of the tinding of the Internal oblique and Transversalis museles. In old and large Hernias Cither at the mouth of the Sac, or the Jac itself from adheseins. Honce & seats of stricture. In Reducible linguinal Hernia the turnous es jugrifom with the aper dolonwards. Diagnoses. Confounded with Varicocele. Have the pa-tickt in a horizontal position, with tumours will disap year press on the External Ring, and let the patient stand up the tumous will appear if it is Vancocele. will not if Hernia. also the termour in Varieocale fells like a bundle of worms - it is Elastie or doughy in Hermia. Retained Serves. There will be only only testiele in the scrotum; also intense pain dill arise from a trafs on the asparent turnour. Femoral Hernic demales usually liable, and the burnour will arise below Pouparti Ligament.
Treatment. Hood's Trufs over the internal Ring of Reducible (if you place the trul, over the External Ring, you will profe the Spermatic cord against the margin of the ring and Emasculate your patient). I raduated Ring truls if Irreducible. If unsucceptul resort to the Operation - Instruments required - Scalpel growed director - Temaculum - Probe Pointed Bislury - Ligature Pinch up the Integument insert the director chit Penjhuisa do thus to every covering till your come to the Perilo neum Then if it istransparent and you see the visceron sound and there are no all properties and their are no all properties and their are no all properties and cut it but carry the Bistory, under the seat of Stricken and cut directly upwards, to as not to event the Epigastino and derect appeared, to a not to wound the Engasino Unitery. Break up adhesions or cut off patches of the Penistoneum allowing them to adhew to the intestine of the Penistoneum and your to gut if Southed. If it is simple Congestion or mostly ication; princh the gut, if it is simple Congestion the blood will not return will return slowly if mortified the blood will not return. The tent the gut, if it is simple congested. Cut it open and establish an artificial anus, If it is mortified; by the mortification is confined to small natches quick them up, ligate them, and return the gut as in simple

yunctures of the intestine. Is a hernia which passed 39. ~ 2. Concealed Inquinal Hernia = Is a hernia which passed 39. ~ who through the internal Thing and lodges in the abdomimal canal without passing through the External There investiments are, 1st Integument 200 Superficial fascia 300 Tendow of the External Oblique 4th Cremas farcea sendon of the external Oblique 4th Cremas.

Ler musele, if the tumour descends lew enough 5th on

fundibula fascia 6th Peritomas Sae. The margin of the

seal of Stadius = 3. The Internal Ring - The margin of the

obliques Externus - The Sae itself.

obliques Externus - The Sae itself.

obliques Externus - The Bisso stone: le min which passes

m 3. Direct or Ventro Inquinal Hermia = a Hernia which passes Through the External Ring alone; leaving the Polvis by the inner Jossa, it passes behind the Internal Ring's The Enner canal gument 200 Superficial fascia. Investments = 1st Integument 200 Superficial fascia. Intercollemnar fascia of External thing 4th Conjoint for Junter collemnar fascia of External thing surralis. res ec\_ fendons of the Obliques Internus and Transversalis.

Transversalis fascia 6th Peritoneal Sac.

The Epigastne artery lies on the outside, hence cut up.

Seats of Thickure = 2. The External Pring - The mouth of the Sac.

The Initial Employed has a slight projection to fix the Exter
The Initial Employed has a slight projection to fix the Exter
That Ring. Below of prefing on the Spermatic Cord.

4. Congenital Inquinal Herria = a herria grenetrating in. امر m rthe d to the Scrotum. Occurs in children where the opening e between the abdominal cavity and the Janiels Ta-between the abdominal cavity and the Janiels Ta-quality Testes, is not closed before birth. In such a case they is no Teritoneal Sac. But when the op-ening has been almost m ening has been closed, then we find the Septum of cellular tissue, and the Peritoneum washing the part Treatment - a Trust immediately, washing the part impringed by the trust with a Solution of 15th Corrosive sublimate with 13 alcohol; this must be done Every Sublimate with 13 alcohol; this must be done Every Sublimate with 13 alcohol; and prevent irritation. ha. -- ky If an operation is necessary make the incision as low down the Scrotum as possible. ese ua Merocele or Tremoral or Crural Hernia Def = a hernia caused by the protrusion of viscera through the Fremoral or Crural Ring. Fremales most liable. 3Divisions in the anatomy of the Parts. 1st all parts below Pounders Ligament. 1st all parts below Pounders Ligament. 1st all parts below the Crural arch. w Thena e 1st The works of the first division are. 1st Integerment 2 nd Superficial rascia containing lymphatic glands, & w tranches of the External Pudie artery. 1822 The Cribriform fascia = to the Superficial fascia over the Opening of the Saphena vein. 4th Pascia Lata Temoris Ren er ) divided into the Sartorial on the outer, Pectinial on the inner portion. The Sartorial forms a curve called the semilunar or Haze Ligament. 5th The anterior n's sheall of the femoral vepels, which is a prolongation of the fascia Transversalis. 6 This will be and the 2 2 20 The Second Division or Crural aret = The Space be Kiven Poupart's Ligament and the margin of the Pelis This space is occupied by the Psoas Maghus and Plia cus Internus muscles - The femoral Herre, veen and custory - The femoral Ring - The Septum Crurale or fasista propria - The fascial of the Placeus and Psoas interdigitale so as to prevent any Herria Except wen ple

40.) at the Fernoral or Crural Ring. and an aband to perpose to groundaries of the Crural Ring = On the outside, by Simbernat's Lig ament - above by Pouparts Ligament - Outside by the form oral vein- below by the sim or Crista of the Pelois. This Division. Parts within the Cavity of the Pelois. This Cavity is oval in Shape lined with Feritoneum - Then The fascia Fransversales which forms the anterior sheats the femoral velsels the fascia Iliaca which forms The posterior Theath of the femoral velsels - Both these fascia pass through the Ring, hence Hernias must come into the sheath they form - The Septum Crurale or fascia propria is streethed across the crural Ring. The Singuistic. which runs upwards above the Bing - the Obdurator time runs across underweath. E Hence to divide the stree-cut Upwards and inwards against Gimbernati lig:

Mode of formation = The Hernial Sac. Trushes the Schlum Crurale before it. Trasses through the Jemoral Ring into the sheath of the femoral vefsels, and Trasses out through the scale of the femoral vefsels, and Trasses out through The Saphaena or dynphatic prenings in the side of The Sheall, forming a double Protruction. The Skeath, forming a double Tradicion.

Investments = 1st Integument 200 Superficial Fascia 
322 Critisform Vascia - 1st Prascia Propria or Septum

Crurale 5th Peritoneal Sac. Internal or dymphatic orifices

Scarts of Structure = 5. 1st The Saphaena or dymphatic orifices

Scarts of Sheath of the femoral vefiels 22 Harfe's Ligament

in the Sheath of the femoral vefiels 22 Harfe's Ligament

and the since bands in the sac is a light of the Sac 5th From

adhesive bands in the sac is a adhesive bands in the sae itself Tiagnosis - May be confounded will 1st Inquinal Hernia Diagnosis - May be confounded will 1st Inquinal Hernia Pouparts lig. is above the tumour in Fernoral - below it in Inquinal Hernia). 22 Buto (Painful at first-never could be reduced - circumscriber). 32 Yanicoto femoral could be reduced - circumscriber). 30 "varicode femoral vein ( Place the patient in horizontal position - flep the thigh The hernia in both will disappear - place your finger over the Crural Ring; cause the patient to rise, if it is a varieose vein the tumour will reappear) 4th Psoas abscelo (HEctic Symptoms - hair in the back) Treckment = the Same as in Inguinal Herries. In the operation, always cut upwards and inwards towards Gimbernati leg. or break through with a blunt Shatula. concealed Fernoral Hernia. Of hernia which hapes Through the Crural Bug and sheath of fernoral vehels but does not protride throw as the Saplaena or Lymphatic Openings. Strictures = 4. 15 Mouth of Sac 22 Gimberhats ligament. 32 Haye's ligament - 4th Fernoral Ring. Investments = 12 Integument 200 Superficial Fascia -32 Cribriform Fascia 4th Sheath of femoral vefoels -5th Fascia Propria or Septum Crurale 6th Peritoneum. Almbilical Herma. Omphalip, ex omphalo: Def-a Hernial Protrusion at the Umbilical Ring or to one side of it. 3 varieties. 1st Congenital at birth, the umbilical Ring not being closed In young persons, at the Ring, the tender executrix being broken 32 adults, to one side of Ring Congenital - a Pyrisorm- Semitransparent tumour. Investments & Thin Cellular tissue - Superficial fascia - Seri-

That of young persons is a flattinea tumour at the 141. Umbelical Ring. Caused by the yielding of tendercicatris. Investments = Integument - Superficial fascia - Peritoneur That of adults. is on one side of the Umblicus. alarge Investments - Integument - Superficial Jascia - Peritoneum Teatment of Congenital = Return the contents spush over a fold of the sac - secure it in position by /2 a mulmeg wraps over with muslin - Secure the mutmeg by achesine plaster of Young persons = Return the content - seems by an clas the band, with a hemispherical block. Egotus dangerous of Adults = a Spring Remispherical block. Operation = Cut through I. Skin - 2. Superficial fascia 3 Sac no activites to fear - But make the incision in the upper, hart of the tumour, as near to the Stomach as possiblebecause the creatier will be tender, and your object is Def = a Herniae first no Natural Ring.

The dender is little weight of the viscera florible.

Def = a Herniae firstrusion in the abdominal Parietes, passing skrough no Natural Ring. Def = a Herrial Protrusion, passing through the Internal Ring - the abdominal Canal - the External Ring, and ledging in the Pudenda. Theatment a Trus over the Internal Ring & Canal. Waginal Gernia. Def = a Hernial Protrusion, lodging, between the Va-gina and Rectum. Treatment = Large Ball Pefsaries. Perineal Hernia. Def - a Hernial Protrusion, loaging between the Yagena and Rectum, and prolonging the youch to the Rivineum, where it becomes a globular tumour. arlificial anus. Sef = an opening Through which facces hafs, made Either by wounds, or sloughing of hernial Juniours. Diagnosis - a pouch Tylerforated, and two portions of intestines contained. Now if the Intestine is not cut across there is a "septum", "Exeron or Spur" formed by the folding of the Intestines. This must be got rid of. Treatment - If recent, apply a soft truss - a diet on Soft much and the sola contenuity of the intestines may be Established. If adhesions are firm, old resort to the Operation, which is never necessitated except where the The main thing is to get rid of the Expron. This is done 1. By placing a Silver crutch on the Spur 22 Dr. Physic passes a silk thread through the lower and upper intestine and hies it lovely outside the wound - this produces inf-Cammation the Effesion of Plasma - the Septum is solidified, and then is to be clipt off. 3 Dupuntren, slought the Septum by the compression of Fincers called Enterd otomes. In Knox makes aportunes in the blades and outs all Embraced by the orifice: this = Tunestral Enterotomes.

is

Urinary Calculi Def = Masses of various Kinds of Stones, developed in the U-rine. by the salts in Union, or by the separation of Sand. Causes = 1. Predisposing 2. Local. Predisposing = (a) Ser. Male. Causes = 1. Predisposing 2. Local. Predisposing = (a) Ser, ellalo.

(b) Race, white rarely in black. (c) age very young or old. (d)

Constitution of a Calculus Diathesis. (c) Climate, Temperate zone
because the Egislistrium between the Kidneys and Shin is

constantly disturbed. (f) ellede of Life, distipated (g) Lime Stone
water. (h) Drephysia. In Ocal = Stricture of Wrether. Enlarged P.

Ete. Sand wice be passed during integestion news if the wine

frains of Sand as nuclei. (e) Chronic Inflammation of the
Effection of blood or pues as nuclei.

Physical Characteristics = (a) Size from grain of mustand
seed, to 4438. hater from Sir, Wine, Ogally, (b) Form, inducates

the composition; as the rough, mulberry calculus is Oxalik of
Aime. (c) examber, from !— 1000.8. + (d) Growth, by accretion
around muclei: Either Striahd or caminated or by aghel around nuclei: Either stricated or caminated or by ag. Thenomena developing Stone. 1. in Kidney - DEEp seated fixed years in one or the other of the Lumber regions, complica. ted with some disorder of Urine, such as inneus, bloody after Exercise - youin darting down to one testes, and re-traction of the same. You can however never be suce, until am abscess is formed which you can probe and sound. 2. in Urether = agony- pulse thready- Shin cold- pain Shooting from Kidney to bladder - retraction of testes on that side I sometimes vomiting and nausea. 3. in Bladder -Inclination frequent to mineturale - Stream suldenly checked - conscious of foreign body colling about in bladder mucus, and bloody wrine - desire to squely gland menis to allay a preculiar sensation - constitution of Stone, Except by the "Sound" which is infallible condition of Stone in Bladder\_ 1. Stone Coose. 2. Encysted; with to the (wall or housed) of bladder interfering with the contraction of the bladder or Else Plasma is thrown out on a cllubberry Calculus gluing it fast. B. Bladder, Encrusted with sand gleed on by Plasma. Effect whon the organs = Kildney is absorbed - Dilates UretAla & destroys it. When the wine which was before bloody, becomes suddenly clear, with pain; it shows that the stone is lodged in one of the wrether blocking it up. In The Bladder, the stone causes Either dilatation or contraction with thickening. Stone in the neck of bladder delates the Wreth at To Sound = Never sound a patient just come from a journey or in pain. Frehaw him by warm baths - ano-dyna injections - rest - Emulcents. Sound him generally with a full bladder, and in Every position- The sound Should have a Short curve and year feetly & mooth.

Should have a Short curve and year feetly & mooth.

Sreakment = 1. Remove the disease & state of Unine. Urine
Should be examined by Spec. Gravity - heat microscope - lest for acids and alkalies. acid-turne lurine there didnews fraper to red. alkalione Urine turns yellow Tumeric (?) paper to brown. By the microscope, a drop of Urine dried who, & containing oxalate of lime, presents octobedral, double squared dumb-bell crystals. Grystals arranged in lame inae and aggregated masses - Uric acido vel. alkali.

Stellated Corena amorphous crustal. Phospharten Stellated, logenge amorphous crystal = Thosphates,

muddy chocolate wrine = Billions disorders.
For Oxalate of Line, give Nitromuriate acid. For acid acposites give alkalis & vica versa. Soda - Polash - line - (6) Palliate The Sufferings. Sive Opium - Femulcent drinks. Infusion of Erigeron Philadelphicum, (fleabane) 13 with 1pt. Water warm baths - rest - diwreties - For attacks of Gravel, Etherize - bleed - hot baths - (Opium) + Terfentine ] - When ropy mucus and sand are voided, introduce a derible catheter, and injett Nitric acid gutt. X in 1. pt. of barley water, about once a week. (c) Remove the slone. By the Urethra, if small; this by Sir. askley Cooper. Oberle of Berlin, first prepares the patient 3 days beforeland by Flax seed to and Henbane, beovers the porinium with a hlaster of Belladonna. Lithotomy. 1..... Cutting on the Gripe or Celsian Menation. Applicable. Where the prostrate Gland is Enlarged. Manner Pass two fingers up the rectum, fell the stone quel it down for the pros-Make gland. The High or Hypogastric operation. History = Invented 1475 by Cullen. anatomy of Frants. Integument - Superficial fasciamass of fat and cellular hissue - Pyramedalis Muscles - cellular tisse - Bladder - (no Peritoneum there). Modes Prerandi = Cut above the Lymphisis Pubis, in a place where the Peritoneum does not descend. Instruments - Scalpel - Gum Elastic Catheter - Shillton Sound - mesh of Silk or Cotton or a Second Catheter. Distend the bladder - Shave the Jubis - Cut through e the Integument & Superficial fascia - feel the blad-der. Introduce her preness, the stilletted casheter les when you feel it at the wound, protrude the stillto this will serve as a director. Incise the bladder, d the Escape of wrine. Extract Stone, draw off the Using by catheter up penis - also Either insert a n Catheter or mesh of silk in the artificial orifice, which shall act as syphons and grevent the infile tration of Urine - this must remain about & days when adhesions will be formed around the orifice Utilely: Where Prostrate gland Enlarged - Dr. Seo. M. d. .. The Simple Lateral Operation. History. Invented by Frère Jacque a monk Callet Lateral from having 1/2 the Prostrate divided. anatomy of Parts - Integement - Superficial fascia- Inferior Perineal fascia dense and films - Perineal centre consisting of layers of muscles as Sphincher ani Perineal Transversalis - Erector Penis - accelerator Urini - Cut between the Erector Penis and accelerator Urini. through the Transverdalis avoiding the bull of the Wrethra. Cut through the Perine alfas.

44. Scia or Triangular Ligament through the mem-winslow and cutting through the left half of the Prostrate. Four arteries endlingered I. Superficial tranch of Peri neal 2. Transvers do. 3. The pleas of Wrethral Bulli-4. Internal Pudie. The chief hemorrhage arises, from the vesicle pleases of the bas fond, and is veinous. Operation. Instruments - Scalpel Staff, with a gutter on the Convenity - Funestrated Forceps - Syrings to 2 washout the Headder - Dupuytren's Canula to stop vesicle Hemorrhage. orill the bladder naturally or artificially: he a bit of tape around the grenis. This is to separate the anterior from the yesterior wall of the bladder. The the hands to the feet - onen the thighs and fasten them. Introduce the stuff gress it firmly by an assistant against the symphesis Putis - clease a free incis. ion, from below the symphesis, to a point between the left Tuberosity of the Ischiern and anus. Cutdown to the staff, then Either place a Gorget or a Scal. "pel in the groove and out into the bladder, withdraw the staff, take out the Calculus; entroduce a catheler her pienem Et her artificial opening. Dangers of the Operation. 1. Peritoritio, Especially en plethorie, fat men. 2. Extravasation of Usine if you cut out of the Capsule of the Prostrate Pland. 3. Sloughing 4. Incentinence of Urine from paralysis of the muscles at the prostrate Gland; treated by Stychnia, Falvanism cold water Ele. 6. Festula Unini in Rectum or Per. of Silver dist in Strong Wilne acid - blister to Peri neum - Canterize a festula in Rectum with the ac tual cautery at red heat. The Bilateral Operation. Both halves of the Prostrate Hand are divided History = mentioned by Celsus; perfected by Dupuytren. Meration. In lieu of cutting between the Erector Penis and accelerator Urini; we cut between the Bull of the Urethra, and the Perineal Transvertalis. in the central yound of the Perincum. Instruments = Scalpel - Staff with short grooved curve. Double Lishotome Cachet. Introduce the Staff- Cut by semi aunar incision across the Perincum, between the Bull of the Urethra and Transversalis, until you come to the Staff. Carry the Litholome with its concavity corresponding to the conversity of the Staff; When the bladder had been Entered, remove the staff, turn the Litho. some to have the convexity above, open the knives and withdraw the instrument in the axis of The inferior strait; it will cut the Urethra and both halves of the Prostrate Gland. Buide in the finger, a vistoury up the rectum, and

cut through the centre of the Prostrate, the Trian-145. Dangers & a Recho Vesieles Fistula. Lithotrity. Def. = a method of gristding the stone by drilling, whilst in the graph of a 30 bladed forceps. Yhistory = Discovered 1813 by Rushine: but as The panietes of the bladder had been perforated and grasped by the forceps; Heurseloup & amusat substituted Lithondripsy Def. = a method of reducing the filone by crushing. The instruments for this purpose, have the male blade small the ferrale, funestrated.

They were worked by windlass, or Pinion & Rachet.

They were the pratient for the operation by the daily in 
Propace the pratient for the operation by the daily in 
Ground the bladder- a hollow carketer- Rachet and Pinion

Crusher- a Scoop - a Small nair of forceps.

Never operate 1st when the stone is valate of Line &

rings londly on impact, for the start mointed queces rings Condly on compact, for the Sharp mointed queces will inflame the bladder. 2nd Large Prostrate, for then you cannot reach the bas fond. 3nd when the Ureshira is strictured. 4th when the tradder is writated by the entre duction of the Sound, and the patient suffers from Chill and hellie fever afterwards. and hellie fever afterwards. When the Stone is in the Urethra, or Prostrate gland. Examine your Rectum. Pash the Stone back into Had. der, or else Cut down Upon the Bripe. Stone in the Female. Rare on account of the shortness and extreme dila tation of the Urethra, so that calculi cannot ledge in the bladder. To an adult female, as Incurable incontinence of wrine will be the result. a child is operated upon by dividing the Urethra and neck of the bladder by an upward cut. Imputation. History. Very ancient but Petet is the first who simplified and brought the operation to its present perfection, impulation in contanuity, not allowed in malignant growths, but in con-Def= "alopping off of a member however situated. Classification = 1. Circular, 2. Flap, single or double. 3. Oval. Sime = I Trimary performed as soon after accident as re-action sets in a last Consecutive, postponed until fever has set in and just. Hitter says, ample fate during the fever, do not wait for it to subside. Consecutive amplitation more fatal than Primary. Blace - In Continuity of limb where you cut through the shaft of a time 2 Continuity of limb, as when you amputate through a joint. Circumstance. I Morrations of necessity 2. Oper ations of Circumstance. 1. Operations of necessity 2. Operations of Choice or Complaisance, as to remady deformities. Shot. 1. Operation of necessity from character of wound. 2. Therations of Election. as in small members you

46. I can with impunity amputate in contiguity or contact in larger operations you must try to operate in Continuity, or Else you will have a conical stump a tender creation - necrosis of cartilages & bones. Superaration of palient, = a slight cathante the day before -Ether - generous diet - no orning food administration of opiumo. accidents accompanying the Operation \_ 1. air in veins. Now veins from adhesions in tumours are frequently pat-ulous in such a case you must tie it before you sever it. a neculiar hissing noise indicates the introduction of air; immediately apply a syringer and suck it out. 2. Hemorrhage. Elevate the limb diseases, beins are varieoses and should not them be hied - use compresses of lint & cold water and Fainting: Stop the Operation until he is resultated. If Convulsions, done away by Ether hinds. Stemdary accidents = 1, Secondary Hemorehale of two hinds. Stemdary accidents = 1, Secondary Hemorehale of two hinds. Simple to ing, and profuse bleeding, apply tourniquet, away let the object of the object of the survey of the wound, and ligate the vestel. 2. Inflam-tourniquet of the wound, and ligate the vestel. 2. Inflam-tourniquet of the wound, and ligate the vestel. 2. Inflam-tourniquet of the Stump! Owing to Sympathetic fever, at your second dressing, your will find flaps ned, ever ted and gaping at the edges, with the effusion of Seriem. Take away every bandage pressing on the parts, and apply cold water dressing - bleed - purify; for Erysipelas is compiled water dressing - bleed - purify for Erysipelas is compiled water dressing - bleed - purify; for Erysipelas is compiled water when he board ship or in hospital, you perceive the flaps read at the edges, with flux or purifich spots, the flaps read at the edges, with flux or purifich spots, the flaps read at the edges, with flux or purifich spots, with stop and constitute of the surgeon's of story with strong nitre accident of the surgeon's of the strong nitre accidents. Story nitre decident, due to the surgeon's of the strong nitre accidents. before the operation to drain of the blood. In chronic diseases, veins are varieose and should not Other accidents = 3. Conical Stump. due to the surgeon's Other accidents = 3. Conical Stump. due to the surgeons careless ness, he must compress the muscles and Kup them over the tone by proper bandages; or else the integument and muscles will retreat exposing the bone.

4. Abscess and Sinus of Stump. When Inflammation of the Stump occurs with the equision prise; the pus is like to the fitterate in the tissulf of the limb making a Sinus. Compress the Sinus Introduce a proper dept in Witrie and or else cut the Sinus open, and Stumulate the parts. For this reason, surgeons usually insert a piece of link at the most depending portion of the flap, to allow the Escape of any matter. Escape of any matter. The Bone . due Either to trime. 5. Necrosis or Carries of the Bone . due Either to trime ming the Edges of the boke , or leaving it Expressed to Mair. Symptoms = dull, grawing hair, increasing at night, give opium at night antiphlogishes. ampetate the bone is it spreads; if not spreading, wait until the bone is dead and it will readily be detacked. 6. Cystilis - Burning Sensation in bladder - frequent urination - wrine becomes turbid on standing -This is harmless; inexplicable; requires but little attention. The Phlebites = Inflammation of the veins, either from Co. gation or natural consequences.
Symptoms = purred torique - therst- fever - Rigor, followed by intense reaction - Stimps Swollen - veins hard - delirium, Vineture of acanite - active antiphlogistics - a Blister all round the stump - Do not bleed as Phletitis will be caused at the seat of depletion.

8. Metastatic abscess. Difficulty of respiration if the at 47 scess is situated in lungs. I have in head if in brain the Tinct. Aconiti apply blisters and noweful counterivitants. 10 9. Jangrene. Usually nospital sangrene - Strong Notric Reid.
10. Heckie fever. Change of air, residence tonics, bark. Eke58hb healing of the Stumb. Flaps united by the inodular tissue
of Delhech. Now it is an undoubted fact that scurry, and other
maladies interest large cicatrices first; hence horsons with
large cicatrices not fit for long sea - voyages.
School Stumpe = Either from want of a fleshy cushion from
a toution formed on the divided nerve, to be night off- from excostosis of some producing Sharp joints - from tissue which
will not heal. 9. Gangrene. Usually hospital Gangrene - Strong Netric acid. 0 History, Celsus, improved by Louis & Desseaux.
Object. To got sufficient flat to cover stemp the spot calculate the flat. Take the circumstrated found from it. to be amputated. The diameter is easily found from it. Operation = 15th Divide the integerment with muscles attacked to it 2 cut down to the lone 320 Detack the muscles trom the fone by scraping. 6 tacked to it 2 cut down to the bone 32 Detach the muscles from the fone of scraping let the limb project shave the hair-dry the part clevate let the limb project over the Edge of the table tourniquest applied, not tightened over the Edge of the table tourniquest applied, not tightened centil the very mormence with the ked of the Saw, not the tone, always commence with the ked of the Saw, not the tone, always to menere with the head of the Sawing across. That is full towards your the first sawing across point, that is full towards your the first sawing across apply the retractor of the first for the frent all hentorthese sawing the bone off. Sook first for the fine all hentorthese Tops. In closing the flaps, of the transverse direction of the length the thigh, clave in the Trons verse direction of the length will talt the bone up to one Side. Elsewhere close the flaps in any directions. 4 es de plaps in any direction. The ge ceases - a few sulures. Dressing = Wais until hermorrhage ceases - a few sulures. Cint dipl in water - oiled silk - a roller bandage comlint dipl in water - oiled silk - a roller bandage commencing somewhat, above the stump so as to compress
mencing somewhat, above the stump is as to compress
the mascles and prevent their retraction: the roller the midscles and growent their retraction: the rolls is to be passed around stump, then tigain to the limb, which is to be fastined on the pillow, or ted, to as to make it marallel with the sound one. Whitter, on account of the tediousness, does not recommend the circular operation, except in larges fleshy thighs, when you wish the artiries cut directly across, so as readily to find and secure them. The first bandage usually left until the third day. us. eid 2. Thap Operation. Single Flap.

Single Flap.

Single Flap.

Whistory = discovered ty Lowdern- 1696

Whis used in the lower extremetris as fore arm, and leg.

Where you have to cut two tones through the limb, not

The flap muist be the full diameter of the limb, not

half as in the circular margin of one bone, to the mar.

With a Caplino cut from the margin of one bone, to the mar.

of the other: where they are most superficial. Then intro
duce your Callin as near to the bones as possible on

the tide opposite to your first cut) cut along the bones un eir. , le 1 ion. the side opposite to your first cut) cut along the bones un tel the flat is long knough then cut out from the bone. Introduce the Knife between the bones, cut through the inter. osseous ligament - apply a retractor with three tails, Cores umi. ill one tail to be pushed between the bones; draw the musclas well up saw off the bones, commencing on the

48. The larger bone of the two, and commencing on the smal-ter ones, before the larger one is cut through Fell the rim of the some to cut off if necessary, any spiculi. In dressing this as well as any other stimp; introduce a frice of list in the most depending corner of the flap to serve as an outlet, for any matter which may be secreted. (b) Double Flap. The best may be 26 creted.

History: Invented by Ravators. The best method.

Done with a double edged knipe called Carles.

Somewhat similar to the preceding but has two oblique cuts.

The come at the first dressing, looks conical, but soon rounds off, making a soft flishy cushion. from absorption:

Besseld the deal of the present the soon course of the second of t Resembles the double flap: but the flaps are rounded off and not triangular: it requires as scalpel, and is Fractures. Def. = Solution of Contenuity by breaking across the osseous fibres causes = 1. Predisposing. D. Efficient. The first class subdivided into becal and generaling causes are.

(1). Local predisposing causes are. The situation most Exposed and superficial, as the scull. a. The function of the bone. E.g. Radius & clavicle in lie of Carpus.

6. The function of the bone. E.g. Radius & clavicle in lie of Carpus.

C. Some Rocal disease. E.g. Wheeration, tuberculosis, cancerns bones.

The general fundishoring causes are,

a. The Diatheris of the Endividual. E.g. Fragilitas Ofsium.

6. The disease. E.g. Chronic Syphilis, Phedmatism. Gout.

c. age. E.g. Old bones have a furchonderance of Phosp. of Lime.

(2). The Efficient causes of fracture are,

(2). The Efficient Causes of fracture are,

a. Muscular action. E.g. Shasons fracture even the 0s femoris.

4. External force directland indirectly while? E.g. Counterstate. Classification = 1st Division depends on the relation of the Sola-tion of contenuity to the ares of the bone. Thus we have, (a). Transverse fractures. (b). Oblique or obsuse fractures. (c). Longitudinal, or varallel fractures. Bra Division is based on the appearance of the fracture. a). Fissures -(6). Stellated fractures.
(C). Depressed or indented fractures.
3.9 Division, depends upon the displacement of fragments. (a). Longitudinal displacement, or shortened fracture. Lateral displacement, or displacement in the diameter. (6). Rotary displacement, or displacement in the circumference (d). angalar displacement, or in the direction of the bone E). Impacted fracture, or, one fragment of one bone driven into the cavity of the other fragment.

1. External volunce, directly or indirectly applied.

2. Weight of the body in falling: Weight of the limb. 3. 4. Muscular Contraction.

4. Muscular Contraction.

5.2. 4th Division is based upon the degree of injury done to the yearts around the fracture, and to the bone Etself.

(a). Simple fracture - bone troken across, with no solution of contenuity of the integument.

(b). Composition or Open fracture - bone broken of and lacerating, or protruding from the integument.

(c). Complicated fracture: artery or nerve injured. dislocation of one years of bone, and fracture of the other. (d). Comminuted fracture : bone broken into several frag-

Symptoms of fracture. = 1. Rational, not worth anything. 2. Sensible [49. or Thysical signs, which last are, (a.). Change in natural form of line.
(b). Unnatural mobility, of the years at seat of fracture.
(c). Change in the length of limb: always shortened.
(c). Crepitus, of the bones rubbing: Stethoscope Employed. a) fracture is generalizable, recording the small of a fracture is generalizable, recording the matter, rigid: a fracture has crepitalishs; Eupation has not. Diagnosis = 1. Fractures confounded with Luxations (vide Super 2. Bent bones, have a regular curve they can be readily straightened, but relapse to their original curve have no crepitation 3. Partial Fracture; The angle, life reg. whan fractures is acute: you can straighten the limb and it will not return to an angle. There is no crep 4. Sprains; have no crepitation, but a smooth itation. Clastic turnous - they also induce dickness at the Stomach and fainting.

Brognosis = the modified by

Brognosis = the modified by

(a). Size of bone of the femoris the most unfavorable.

(b) The number of shuscles attacked to the fragments; thus

The upper frontion of 05 femoris, from the action of the Proas

magnus & Pliaces muscles is thrown out of position at

Every dressing rendering it difficult to manage.

(c) Stat of fraction. Near a joint or involving a joint is bad.

(d) Relation of bones to great cavilies & fracture of Stull, Privis, bad.

(E) Injury to the Soft parts. E. of Tulpified muscles the world.

(b) Nature of force. E. of Force directly applies fruites the integument.

(d) Direction of the fracture. E. of Oblique Shortens the limb.

(h) age. The younger the more favorable.

(i) Health of fratient. Syphilis, Scroqula must be treated by mercury. Todine, Phosphate of Lime: or Else no union.

(5) Season. Summer muduces restlessness, bed sores, and clastic turnour - they also induce sickness at the stomach by Mercisy. Todine, Phosphate of Lime: or Else no union.

(5). Season. Summer induces restlessness, bed sores, and inflammation in the party.

(K). Extremity involved. Upper Extremity better than lower.

(L). Several fractures. E. G. a fracture of the thigh with one of an armo, must be treated antiphlogistically: as fever and reaction will set in: Establishing a false joint or sinus.

(m). Degree of injury to bone. When comminuted, if there is no fully below the fracture, amputate.

(n). Existince of dixation. reduce first lexation then coaptate.

Tromation of Callus: two kinds 1. Provisional, which units the fragments for a time. 2. Permanent Callus, within The fragments for a time. 2. Permanent Callies which united which which which several stages: - 1. Effusion of blood, serum, and Plasma. 2. apsorption of Serum, and red corpuscules, leaving a prink-ish mass of the consistency of white of an egg. 3. Mass becomes vascular, the plasma becomes organised, in the cavity of bone and a ring around the fracture. 5. Ossification between compact portion of fragments. 6. Absorption of Provisionary Callies, with the restoration of the cone. Ogents = 1. Periostoum: not Essential however, therefore do not vaw off the Ends of a fractured bone, because it is stript of els periosteum. 2. Tessels of the soft Trans near. 3. Bone itself. 4. Internal Periosteum. 5. The absorbents Which remove the Provisionary Called and model the bone. Union of Flat Bones. Entirely different, from long bones. I. Effection of Blood, Serum and Plasma 2. Orzanization of Plasma into a strong ligament or mem. brane, rarely into bone.

50. Strength of bones ofter fracture = Long bones will usually be stronger after the cure: Except when the fracture is through the nutritious for amen; then all above the for amen will waste away. 0 Freatment = 1. Hemove the wateent on a shutter, so that no vesselo be injured by the motion.

2. Reduction Effected by extension, counter extension which should be Kept up twen hours - relaxation by Wether Opium - depletion: - Coaptalion. If the bones are losted & the muscles will not relax. Then saw off the Ends of the tone. If in a Compound fracture, a bone pierces the belly of a muscle, cut down and sever the muscle. If however the fracture is Simple, make the incision subsculaneous and at a distance from the seat of injury. 3. To prevent displacements; we use the many failed bandages - Splints, of seasons wood; never to be placed in contact with the nated stime. 4. Ward off inflammatory tymptoms, by Tart. Antimony by Digitalis. But rarelly bleed. Diet ofter the accident should be for 3 days, spare. 5. Spason & Pain to be obviated in the usual manner. if the frain continues, Examine your dressing, it may be too tight: a pulsatele, throbbing pain indicates too tight a bandage: hence it is proper to leave some point of the link exposed to see y it is livid cold, or number of the link exposed to see y it is livid cold, or number of the link exposed to see y it is livid, cold, or number of the link exposed to protestere. Harden them by applications of Hydrang. Bicklored. Corresio. grs. V in alcohol zi. Bed sores loil Else to formed.

7. Inspect daily your bandage: it may be loose. 8. When Phlychanae or Bullae form simply open them with a fine needle. They are harmless, calised by a Stasis of the capillaries, with the Effusion of Serum. 9. When Suppuration ensues; immediately open at the most depending point, and at a distance from injury.
10. Religiously quard the limb from the weight of body for s'Ecoldary of acture may sector; or the Productional Callers may be prematurely absorbed.
11. after Convalescence, restore the natural rigidity of the limb by oleanings frictions. warm down limb by oleaginous frictions - warm douche-galvanism. 12. Contrary to the opinion of many Emissent Surgeons set the fracture as soon as compatible. Surgeons demond methods of treatment = There are none, although rec. ognized by many, Except the Splint and bandage, and a position in which the muscles will be relaxed.

1. Horizontal position: as in fractures of lower Extremition.

2. Semiffard " not recognised by ellitter.

3. Starch bandage made by diffing the roller bandage is white of Egg, glaw, and allohol. " Espean used Starch or Desterme. Now this "permanent" dressing is unphilosophical for to the limb is swotlen in the first philosophical for y the and is swelling the bandage will be too loose: on the other hand if there is no swelling at the time of the dressing there after its set in: the limb will surprise of the orest risk of mortifications by compression is a gleas and variety, not however at the first dressing as a gleas and variety, not however at the first dressing. It elayers than the first dressing. I chavor Handkerchief system. useful for clavellfrom of the above systems, are general methods. but each has it's advantages in harticular cases. 6. Splints and bandages, are after all the simpliest and best form of treating every fracture that is accessible to external action upon the part.

38. = Solution of continuity of the soft years, with a fractured bone. Causes = !. Fragments of both drivers throught the Stino 2.

7. The intiguement sway to avended by the same blow.

3. Sloughing may post the integument: as where the muscles are the piffer may may require to be pend. 5. Pressure on prominent portions, may induce alcerations Dangers. = 1. Immediate nervous shock, as in protrusur of bone. 2. Inflammation and fever: 2. Inflammation and fever: 3. Hertic fever: when sloughing occurs causing a compound fr. 4. Texamus: when near a joint, almost invariable result. 5. Sec. Hemorrhage: To be be from when arteries crusted by pressure. 2. Sec. Hemorrhage: To be be frame when arteries crushed by pressure a westion of amputation. Look to the nervous shock: if the year tent is cold, clammy: I reaction will not set in: if after reaction no hulls dis found in arteries below the seat of fracture: Viarticularly the main artery, amputate with a clean conscience. Vide Synabum.

Sime of amputation = In Primary amputation, hake off the limb as soon as reaction sets in. In Secondary amp. as soon as you have determined to take off the limb, because heetie flover is wasting the Yrowers of puttent; do not wait for feeler to subside, but amputate immediately: The results fore surprisingly happy.

Treatment to sability happy.

Treatment to sability to come above the knee joint - place a ture tox, long enough to come above the knee joint - place a are surprisingly happy.

Ofreatment to sout the line .- I stake a firm, soft couch - a fracture for long Enough to come above the knee joint - place a vietne for long Enough to come above the kneep - place the line on the vietne the kind on the vietne to the side of fracture box - let two assistants on the vietness the stake of fracture. make estansion - list he surgeon, with his thumt as fonger sets the fragment by some known landmark: as spine of libia: faster the foot well padded, to the foot of fracture tox, by means of the Stormup bandage. No other optimistor to bandage to be used.

Clove the wound by adhestow plaster, painting the edges to the storm to the following the stages of the touth Collodoon. To theat or fever set in gine about with next collodoon. To theat or fever set in gine about the state of the water with laudantern: Treat the case like a simple or Land water with laudantern: Treat the case like a simple or Land water with laudantern: Treat the bone photude, and the bones for your entire the small plasters bandage.

2. There he integreent if racettary - Close he bones for your wish as these or plaster, although your shiplet suppuration for your wish as the sweet plaster, although your shiplet suppuration on the bran dressing fracture box, wage down tran all around and over the linb - apply signrup bandage: When suppuration and for a smuch convert box is the water on the limb. Examine the plaster to the limb, and specify out the matter. When suppuration and for the bank bran all and the pacture box in water the bran - this is specify for the matter. When suppuration and for the forth of but of he was the bran - this is specified to the forth of the provention of the limb, soft parts are obtained to the soft a specifier out the matter when a suppuration the provention of the sorth of the control of the sorth of the sorth of the control of the sorth of the sorth of the sorth of the control of the sorth of the control of the sorth of the surful susually be deformed being larger and a little Shor a little shorter pregular ballus. Causes = The Surgeons Fault or a wilful patient. Browiely of operating = depends on various circumstances, as 1. Duration of the injury, the sooner; the better. 2. Degree of functional injury: if he can use the limb, do not touch it.

52. 3. Practicability of relief wishour danger. Never touch the thigh.
5. age of patient: the yourger, the better.
6. The health of patient. Constitutional diseases are unfavor.
8. The existence of disease in the Soft yeart.
8. The existence of disease in the Soft yeart.
Means of remedy amployed = 1. Gradual Iressure, and Extension of the limbs. If the Callus is under 2 months duration, yet soft and fielding this method may succeed the Knee. Soft and fielding this method may succeed the Knee. Then the limb over again, and troat it as simple fracture.
8. Resection of fone. Never nesect the things.
9. Resection of the Edges of a fractured tone by bone. Def- Non union of the Edges of a fractured tone by bone. Wavielies = 1. The callus, from its arrestation, becomes car tilaginous. 2. Fragments united by ligamentous bands as in fractures of Patella - Olecranon - aeromeon. as in fractures of valetia - Otecranon - Aeromion.

3. United by Cellular tissue, making the limb mobile

4. Bones rounded off - tipped with cartilage - covered by Synovial morntrane and capsular ligations.

Course = Vide Syllabo mobility of parts, with inability to

Symptoms = Extreme mobility of parts, with inability to

Symptoms = Extreme mobility of parts, with inability to

Significant. Diagnosis = Easy - Except in the thigh bone where the bond of union may be too short to allow the bone to be bent. Brognosis = favorable in good constitutions . but is a clow & tedious process. Persons using mall liquors are fad, Indication = To excite inflammatory action in the seat of injury for the redeposition of new called. Treatment = 1. Splints, and entire rest, will prove exciting by causing congestion of the capillaries from Stasis.

Of Compressions. by Justing the lower fragment against the upper. The desired effect will be involuced.

3. Exercise; which frequently causes friction to compression.

4. Dr. Physick's Scatter. a needle armed with a tape 4. Dr. Physick's Scalow. A needle armed with a tape is to be hassed not transveryly but from above downwards perpendicularly between the fragments, the tape must remain lodge them until the callus is reformed.

5. Dieffenbacks method. I holes are bored in the extremities of Each fragment and wory negs driven in. Singular to say, the isory yiegs will be corroded, and partially absorted by contibue action copy them. I have a fund of the tones are sawed off, making the linds shorter. This is a serious operation. In transfer the linds shorter. It is is a serious operation. In transverse fracture of the Patella, the fragments will be separated by intermediate legaments. The years above the superior fragment, are divided by a subcutaneous in. Superior fragment, are divided by a Subcertaneous in-cession at a distance from the joint. This fragment is to be juished to its fellow, and Kept in Situ by compresses. Particular Fractures. continue to Diagnosis - Easy before swelling set in and if there is no somply sema from laceration of the much membrane lining the nostrils. There well be in fraction depression to the bones - prain-crepites - hemorrhage.

Syratment. I. Of Simple fracture. Elevate the depressed bones by cylenders of wood, bougie Etc. inserted to the nostrils - model the bones with finger and thumb usually apply no bandages, as the salelling will keep the fragments in situ. 2. of Emphysema, your uncture the integument at a distance from the seat of injury: let out the gast and close the nunctures. 3. compound frae tures as a cut. Stirch up the nose, and insert quills

open at both Ends and covered with greated link, 153. into Each mostril. Support the nost with a piece of 153. plaster perforated for the nose. Courses = Sabre cuts - Straking the cheek bones on projecting the The cheek will be fulled down by the action of the Masse-ter muscle. Push the gragment, by main force, to its proper position, and keep it there by compresses of a conical form. The lower jaw, must be kept immoved - ble - person therefore to be jed on slope. This fracture is usually compound, lacerating the mucus membrane compound, tacerating the mucus membrane teeth; direct force. Extraction of teeth; direct force. Then the alveolar process is fractured with several teeth: place the teeth and fragments in situ, and use the lower jaw as a compress. The patient must not chew or shove his jaw for three weeks.

Then the fracture is Compound, place over the lacerated soft parts a roast fig. or poultie of Slippen Elm.

When the cavity of the antrum is involved, use strangent
antiphlogistic measures. IV. Os Maxillair Inferius. Warieties - 1. at the Symphesis. 2. Chin 3. Between the angle and chin 4. Coronoid 5. Condyloid. Symphoms = Desplacement - Thropuse Kelmorrhage from Symptoms = Desplacement - profess hebrothage from maxillary artery, which will cease on adjustment of the fragments yearn sometimes yearalysis of dental news of the fragments yearn sometimes yearalysis of dental news in children use the Supporting bandage and a lateral spring compress made of padded steel.

2. When the chir is isolated by fracture; the milo-hypoides and aligastric muscles will youll it down which must be overcome: take martins bandage or make a haste board too for the chin, apply a supporting bandage, beginning at the occipilit carrying it oblique over the head, under chin, then carried back obliquely to the occipilit; then brought directly round the chip. A negle and chin: "The classeter muscle will full back the posterior fragment: the milo-hypoides and digastric muscles will pull the anterior fragment: the milo-hypoides and digastric muscles will relieve the fragment closer. Place a clamp of the or silver over the seat of fracture, this will retain the fragments in the fragments the fig. 8 bandage.

4. Coronoid. There will be creputation on chewing, from this process being surrounded by the temporal muscle. This process being surrounded by the temporal muscle -There will be little or no displacement - Keep the jaw closed and supported. to sea and supported. Intense pain in front of the Ear with a beforestin; and a promenency caused by the retraction of the process by the Pterygoit muscle. Full the jaw forwards in Site and rethin it there by extuarioal comp Jaw forwards in Site and rethin it there yellanded comp In fractures of children and old men where the alvedar proceedes are wanting; apply cork to the vacancies. The jaw in all these fractures must be immovable, hence nownshiment can only be taken in Slope; by injecting it in a tube placed bekind the motar teeth; by injecting it in a tube placed bekind the motar teeth.

V. Et VI. Of Hyorides & Theyroid Cartilage:
Causes = grasping to, the throats; blows, Esc. Ita.
Symptoms = Difficult in breathing - pain - outward deforming and indication = To relieve the difficulty of respiration: by mulling the tongue forwards by it not - by inserting a tenaculum and elevating the pieces - Bleed - blister to present subsequent englammation. If the defires to prevent subsequent inflammation. If the depres

54 Sion does not interfere with respiration, let it alone WII.OS Sternum. Marieties = Transverse, longitudinal, a Crack - a slike 1st Indication. To keep the rets and sternim at rest, allowing respiration of the diaphragm and muscles. The atment I. If a simple crack place a bandage around the chest, and use strongent antiplogisties, as the sternum if easily diable to inflammation.

2. If the fracture is transverse the tratems will have sufficiently threatened, by the points sticking into the antiplogration threatened, by the points sticking into the antition mediastinum. If it is a child, favor the distinction of the chest - place him supine on a cask - let him take a full treath - bandage and use antiphlogisties. If the pratient is an adult place a bandage abound. The depressed bones, senless respiration is interfered with The definessed lones, Einless respiration is linterfered with in that case, use all measures to Elevate the fragments use your fingers, tenaculeum; and if these fail convert the simple into a Compound fracture.

Sidvility = Depends upon the age; the older the more fraguent, while will be true of this. and flatten his chesting a carriage may has over a child, and flatten his chesting or risk will be broken; and adult would fracture his. Yavelets a first while fragment inward. Side blows or pressure of a crowd arives the fragment fragments outward. The pressure of a crowd arives the fragment complications = Remostlysis - Emphysema Either of the Subcutaneous Cellular tissue, called "External" or of the Subcutaneous Cellular tissue, called "External" or of the Serous Coat on called "Internal". Empyema. Pleuritis - Laceration of the intercorbal artery as in compound fractions a Phthisical querson, for he cannot Endure the stightest compression gru the thorax.

Symptoms. I. Sharp, cutting years at any movement of the chest-place your hand appropriate the chest. Symptoms. 1. Sharp, culting pains at any any more than the chest - Whale your hand apor his chest let him breake hurriedly, great pain & crepitation will be the result. Synament = 1. Of Simple flactures: The first indication is to keep the chest at rest, and allow the action of only the diaphragm. If the fragments are depressed, place a comprete the anterior extremity of the rib and another at the nosterior extremity; and the aroller bandage light over the whole: pressure at the extremities will elevate the fragments. If the fracture is Elevated place a compress over the external projection, then bandage. Give opicates for the painty— Let him take a full inspiration before applying the bandage— Bleed if plathone.

2. Of Wounded limb by the sticking in of the fragment is dicated by Spitting flood. It is indication = Elevate the rib (to avoid the interestal artery) and quel the fragment. Insert a tenaclulum at the superior margin of the ments in yestion. If there is disting hemorrhage let ments in yestion. If there is disting hemorrhage let income fair let all the cellular great inconvenience is experienced from in listue. The thoras will be distended. It is been unless great inconvenience is experienced from it. great inconvenience is experienced from it. Whether sternal Emphyselma or that of the Lerous tissue. Sung becomes shrulla, and forced up to its base - the chest on percussion, sounds like a dreem; is tympanice. Introduce a trocker, at a distance from the seat of injury, and tap the thorax; else suffication will ensue injury, and tap the thorax; else suffication will ensue a probe product bistoury, and sever the artery. Or Else, much in an olled handstert hief like a pouch, stuff it with on the handsterchief, and you the her be formed pull confired, directly on the handsterchief, and you thus have an internal compress, directly on the artery. So not tap the chest to be

IX . Clavicle. Siability = greater than any other tone: save the humerus.
The centre of the bone is ushally broken; either from directviolence: always in counterstooks. If the factions
symptoms = Angular deformity - diminution in breadth, increase in the length of the shoulder.
Diagnosis = Easy. The outter fragment is dragged downwards by the weight of the arm. Inwards by the action of the Pectralis major, and Latissimus dorsi. Forwards by the action of the Levator Scapullae. The Sternest frag-the Herres-effects mains stationary, unless tilted up by Indications. 3. Carry the arm Upwards, Backwards, 2. 1. and Outwards. Sreakment. = 1. Desaults bandage. Strip the patientat him Extend both arms - Vilace a fead under the
axilla of the wounded shoulder, fastened by strings
tover the other shoulder - lift the arm up and down like
a veine handle - bring it to the side of the chastthe sound axilla and has it around the injured arm
and chest. Take another bandage commence at the
sound axilla, and years it over the opposite shoulder, then
conder the elbor then over the sound shoulder, then
til two triangles are described one on the breast the oth
the objections are 1th Jon hands to strip the patient 2. The banthe objections are 1th Jon hands to strip the patient 2. The banthe objections are 1th Jon hands to strip the patient 2. The bandages will relax and slip. 3. mammary Glands may
be absorbed from compression to the seat of enjury is
covered up. Freakment = 1. Desaults bandage. Strip the nations. covered up.

2. The Handsterchiefs of Mayor. One is made into a

2. The Handsterchiefs of Mayor. One is made into a

triangular sling which supports the Elbow, and Hanses
over the Sphositt Skonlider; The angular point is to turned
over and hinned to make it snug! The Jecend Handser, is

passed around the chest confirming the arm. a pad is about
isto be placed in the axilla bandage. a had as before.

3. The Prinsylvania Hospital bandage. a had as before. 12 いってん w a collar on the sound shoulder, a bling holding up the el-bow, an fastene to the collar - a roller bandage around the chest confining the arm.

When the sternal fragment tilts up. a broad band of adhaesive plaster passing over it, and fastened to the breast and back, will keep it in site.

Grognosis. Should be very cautious. as then will be dehe 2 1 0 ce. ze. formity, unless you pay careful attention. ma. Barks liable to fracture = 1st acromeon. 2. Inferior Angle.

3. Body of the bone. 4. Coracoid furcess, 5. The neck! 6. Spine.

1. Acronico Process. Arm longer haw usual - fratient can not raise the arm - has finger along spine of Scapulo, you will come to a depression on the seas of injury - Thoulder flattened - no crepitation, unless you elevate the arm, and bring the fragments in contact.

The fragments in contact.

Trognostis. Told from lination because the depression in luxation is beneath the acromion. Sprawer has no depression in luxation is beneath the acromion. Sprawer has no depression in the fragment: from lack of sufficient cellular tissue for the fragment: from lack of sufficient cellular tissue for the seamnest. The callies the union will be ligamentous. Streatment - By a sling support the arm to lagamentous.

Shall be in contact: "place a had between the elso and chest to relax the Delloid muscle - bandage confining the arm to the side - adhesive "plaster over the seat of infery. I Unferror angle. There will be no displacement of the fragment teause the Infra Spinatus and tub scapul ar muscles cover the acuse the Infra Spinatus and tub scapul ar muscles cover the about of the fracture will therefore be a simple fit two whole bone. The fracture will therefore be a simple fit ourse. A bandage around the inferior fragment will be dis-Sarts liable to fracture = 12 doromeon. 2. Inferior angle. ets. 5. est nd oh le

56. placed downwards. Push back the lower fragment, ap50. Why a compress in front of it- roller bandage. Sing to be
4. Coracoid Process pactured by fonce directly applied or by
musicular contraction. The Biceps, Coraco-brachialis &
Pectivalis miniscles will draw the anterior fragment down
wards - a movable turnour in front of the fielder - patient
cannot cross his arm over the chest thoulder as usual.
Treatment Place the palm of the injuried arm on the
Sound shoulder - bandage firmly - use compress. Etc.
5. The Neck. The arms is lengthened - shoulder flattered,
a hollow under acronion - a turnour in axilla.
Diagnosis, a sublination of the humans, Exhibits these
Jame characteristics in luxation however the arm is
rigid - in fracture movable; in luxation, the deformity rigid - in fracture movable: in Curation the deformity cannot readily be reduced: in fracture it can.

Trognosis is quite favorable.

Indication = KEEp the arm at a proper level by a short sling-a mader the axilla - bandage. Etc.

Spine of Scapula. There is no displacement; for the Supra & infra spination muscles keep fragments in sitie.

XI. Humerus. Liability - Of rare occurrence - sometimes the concussion in old needle causes its alrophy from interstitual absorption. Singues of Simple feature. If very obscure - no displacement of the shoulder - hair increased by finessure - liable to be mustaken for sprain, hence always best to be on the safe Sinde and consider it a fracture always best to be on the safe side and consider it a fracture I padded for theaxTrustment: = a rectangular splint I padded for theaxilla - strict antiphologistics because the bone is cellular and 
liable therefore to takks on inflammation - apply beeches its. 
Impacted fracture. No enefitation - shortening of limb - 
Enlargement of shoulder - intense pains - use rectangular 
lar splint - Vide Tobert Sinish on fractures of pints. 
Compound fracture. Close external wound - rectangular splint. 
Compound fracture. Close external wound - rectangular splint. 
antiphologistics - let out pus - Use passive motion about 
the sectore week. the sectored week. Do not amputate - take away the fieces - saw of the End of bone of necestary - Yoush it up and support it on the Genoid cavity look for ligamentous union. Support it on the General Cavity-look for ligamentus union.

Crepitation on rotation-intende swelling- attack humeris and forearm to a rectangular Splint- antiphlogismeris and forearm to a rectangular splint- antiphlogisties in this as above: the some being Emimently cellular s

Def: That portion of Shaff between the attachments of the
Tectoralis ethyor Satissimus dorsi and the greater tuberosity.
SignA = Displacement. Upper fragment, rotated outwards-is
sover frag. drawn inwards, and discovered by the Sectoralis
and Satissimus - Shortening of the limit.

Treatment: Two assistants to exert extension, and eventure ten.

From - coaptab - pandage from palm, up to shoulder; leav. Treatment: Two assistants to exert extension, and counterextens.
Treatment: Two assistants to exert extension, and counterextension - coaptale - barraage from halm, up to shoulder: leaving the fingers, the thuth! The elbow Exposed - apply the rectangular splint, with three offer straught splints one being linger so as to come below the condule - pad every exposed byot and every depression before you apply the cast roller. Support the hand simply, by a sling- the dressing need not be removed for ten days- provided it does not nelax. At every dressing make passive montron of Every joint in that arm and hand to prevent an engly of gracture is between the insertions of the Latissimus does in fracture is between the insertions of the Latissimus does in fracture to the above. The upper frag is carried in the lower fragment is rotated out. Whe the same aresting as above that let the rectangular splint, be more cush ioned where it goes into the axilla.

Diastasis or Separation of the Epiphyses.
Occurs only in children and that very rarely. Occurs only in children and that very rarely. Diagnosis - Position of the whole limb carried slightly back.

a projection below the acromion process - grash the head 15-9 of the bone, and you can rotate the shaft without mo 57 ving the head - no crepitation - loss of evoluntary motion. Stoke califications carried with difficulty. Treatment. Use as before - bandage - rectangular Splint - an other bandage - sling - In addition hass a bandage over the shoulder and under the Elbow, so as to bring the frag-The shoulder and under the Elbow, so as to ving me fragment to gether. The shoulde. There is no displacement in the transverse fracture: In oblique fracture, the Biccho: Brachialis internus: Tricens act whom the fragments, rendering it very difficult to Keep them adjusted. And shortened in the Songsdale. In oblique, bad. In Oblique, use the crutch of ehr. Longsdale. In oblique, bad. The lower of the Tricens and The Indication = to overcome, the action of the Tricens, and Tharalyse the muscles. But your kneed in the Elbow, herest hard while two assistants are extincting and counterentending—Bandage—the rectangular splints for the lower 1/3 of the Shaft, and forearm—assisted by two other straight splints—the. Both or only one may be fractured. Where both are fractured the joint wisdens to compression, from the Obecranors, from the Obecranors, from the Obecranors, from the Condyles outwards— the condyles will be movable delidity from anchylosis, & curvature. Indicatures. =1.70 keep the Obecranors from con-fact with the condyles? To keep the Condyles under strong lateral fressure. or Hewon's Rest. Splint Tredment. = 2 Rectangular Splints at first dressing. about the tenth day, increase the angle more and more at Each dressing until the arm is straight. Then retrace these steps making he angle more and and more acute until forearm is flexed on humans. Also passive motion for every joint compound fracture, commonly attended in their deformity bandage employed is Borns shirt. When decreases out of the joint - Evaporating lotions. When surpuration ceases take of Borns and apply rechangular splint. The Bones of the more apply acutangular splint. Radius: more often trotten than any other bone in body. fractures occur iso! Head: 2. Surgial neck: 3. Centre! 4. Lower Extremelies & Separation & Epiphyses. The hand. 1. Head. Caused by counterstrotte, as falling on the hand. 7. Symptoms = Motion bauses deep seaked pain at the jointCrepitation on rotation - no distortion or shortening.
Diagnotis Confounded with spraino: Err on the safe side.
Problem handage from hatin up: Totale the limb to a posttion between supplination and Ironation - apply a splint
on inside - antiphlogistics - Tableto motion. retained
D. Surgical Neck: = that portion of the bone surrounded by
the coronary ligaments.
Symptoms = Loss of voluntary motion - pain little below joint.
Symptoms = Loss of voluntary motion - pain little below joint.
Orrestation - hand between Pronation & Supernation.
Treatment act upon the lower frag. by keepinges turned out.
Treatment act upon the lower frag. by keepinges turned out.
The supernate the hand with pulm upwards - you can not apply a first bandage because it will narrow the
interospecies space. Therefore place a pradale splint above.
3. About Centre: Symptoms. Lewer frag. slighty littled upthe Ulna, by the Pronator quadratus, diminishing
the Ulna, by the Pronator quadratus, diminishing
the interospecies space: upper frag. slighty littled uptendication. Preserve the integrity of Osleods thace.

Treatments. Two splints madded, with a ridge running Symptoms = motion causes deep sealed hain at the joint\_ 00 der h.

58. Ino longitudinal axis for interosseous space one age applied - The other behind - no first roller band, age applied - The other behind - no first roller band, the roller from acting on the bones and thus closing the interosseous space - hand midway between From it supe. At the second dressing apple, spoon splint on tack with a short splint, ridged, in front coming up to heel of kand. This will give freedom to kangest, but weakest working the source extremity = the largest, but weakest portion of the resting to the resting th Treating from its cellular character: 1/2 wet above articulation (a). Colleres fractive in transverse fractive: 1/2 wet above articulation symptoms - Lower fragment dragged inwards towards the Ellina, caussing interosseous space to disappear - upper frag. carried forwards: Prominence on the back of the wrist - depression on the inside - hand flighth, please. Treatment - Grasp the hand (not fingers). In also extended to the content of dishlacement of general the content. Sveatment: = Grasp the hand (not fingers). In ake Exten-sion in line of displacement, the deformity will at once disappear - Crepitation on rotating the hand. Keep the hand bent towards the outer condyle, apply Bond's Splint for College fracture on the halorer side; and an Ex-tra splint onthe back in a musular subject. The advantage of Bonds Splint lies in the freedom of patent to grasp anything. (b) Barton's fracture; or Obique fracture: radius is split of the She first carpal row slips up between the bones fracture. The seat of fracture; and two compresses on Each Side of the seat of fracture; pressent on the interospecus span, 5. Separation of Explosure. Income alone leable to it. hand bent - deformity - loss of motion-pain. Diagnosis - Place the finger and thumb, on the two Stylpid yirdesses; rotate the hand and these percesses will be found to move with the hand. Use same dressing as in Barton's f-Fractures of Ulna 1. Fransverse of Olecranon. Symptoms. Forearm flered on arm - disappearance of the elbono perominence - movable turnour on the back. Indication - Straighten the forearm - act upon the fragulation the interposed muscles - aim at short ligamentous union, by keeping the fragments close together.

Treatment - Desalts method viz. Rolle bandage from Treatment: - Destitute meshod wer. where various of so palm up to joint - Knead and pull the integement up so that it may not intrude between the fragments - continue the bandage leaving the foint exposed by figure 8, - paralyze the Tricops mustle: apply a short Thlink, on the that of front arm - Supine the hand anchylosis: therefore use hassive motion: if anchylosis is unavoidable, take of the straight inotion: if anchyloses is unavoidable, take of the sinusary splint, and substitute a flexed one: as it will be more conservient for patient to have an anchylosed flexed arm.

2. Coronoid. Caused by Counterstroke: muscular Contraction.

3. regnosis = unfavorable from ligamentous union; and difficulty in the retaining the queees in juxtaposition.

Siagnosis = l'Easy before swelling sets in: there is extension of the forearm by the Triceps Extensor because the Brachialist anticcut, its antagonist, is laxed: Morable tumour in Elbow. Indication = Aproporate the flaxed: Morable tumour in Elbow.

Treatment = Roller bandageto paralyse the muscle them a fointed splint placed at an accuse angle, with the fairs flexed on arm for 3 weeks: - this anale is to be increased. ed on arm for 3 weeks: - This angle is to be increased. 3. Shaft or Lower Extremity: angular displacement: a de Indications. To paralyse the Propagator guardratus: The Propagator guardratus: There is no shortening of the limb, because the Radius Stops further displacement of fragments: The Union mangin of the hand inclines twoweds the lilna: Indications. To paralyse the Propagator quadratus: To keep the hand towards the Radial margin. fracture: a comp-

rest to keep the halm in natural position. Both Bones. Brognosis of Simple fracture: - Unfavorable for we have to contend in an galar deformity produced by the approximation of the bones from the action of Provisionary Callus comenting these lotis from deposition of Provisionary Callus comenting these two bones and rendering them improvable with each other. Orealment: - Extension and counterextension by two assistants: between the muscles between the fragments: place the hand between Provides and Securination: two compresses as the spress indury: two splints with conical ridge: a companied fracture. Inflammatich and Suppuration unavoidable, therefore Expose the seat of injury. La tion compound fracture. Inflammation and Suppuration and avoidable, therefore expose the seat of injury.

Speakment. Place a loop around the neck: That two strips of bandage through as slings: apply a long padded, of led silted splint, no the side opposite the wound: Roller bandage above and below the wound just tight enough to fire went lateral displacement: Support the splitt by the apply lint dipt iso cold water: or laudanum with lead apply lint dipt iso cold water: or laudanum with lead aretting for simple fracture: Passive motion: Polation.

\*\*MI Barpal Bones.\*

\*\*Usually Compound: Crepitation: no displacement: Instation inflammation of the articular surface: Splint on palm: leech give Farrarised antime. Et of inflam. is threatened. Compound Fracture. Be calificated for your ampuntate; Instatument: a carved Splint, padded, and covered with oiled filt: close the External opening: apply warrounded filed filt: close the External opening: apply warrounded. × ge 2. ree. 9 oiled silk: close the External opening: apply warm water dressing centil the nations recovers from the nerwater dressing centil the nations recovers from the nerrous shock; then use cold water; or Lead water + Land.
Bore holes in the splint to allow the scape of the water:
Stook out carefully for Fraumatic Vetamus! If suppuration intervens will warno water dressing: when wound
is healed adopt the common straight splint.
Sighilis. IN Metacarpal Bortes. Siability - The rarest in Surgery; usually are simple. The angular displacement is in a direction opposite to the vlow. Use a splint on fralm; and compress on the Trojecting fragments. If ormed, from the printed for Palmar thrombas is formed, from the printed tone wounding an artiry, compress either the Radial or Ulna, and observe which causes the thrombus: Cut down and tie the artery or Even both if necessary. Use means to absorb the clot: turn it out if influence. 16 tory symptoms intervene - ase compresses. Esc. For the Indicator, Impudicus; Annularis; Auricularis; apply bandage: 2 Splints and another bandage. The Splints to be glaced on Palmer and Dorsal surfaces. For the Sollex, use but one Splint, and that on the lio dorsum, or back of the thumb. I band of ashes. I have From force directly applied ? Patient is maralysed in his lower extremities for their slightest movement causes pain. Thressure of the hand over the seas of injury causes main. no external displacement occurs. use Brognosis. Unfavorable, from the springy texture, and Extreme vascularity of the bone; Inflammation and Caries are liable. Breakment. So not attempt the reduction of any distortion. but let it be anchylosed in the fractured position -

60. Place nations on his back: apply a bandage around his the highs and legs together: flex the thighs on the highs: Die the thighs and legs together: flex the thighs on the help's maintain this position for the first two weeks: as the narts are praralysed evac the bladder twice a day - necture twice a week: Protect the Sacrum by the softest cushions. Fillow, under throughout in Compound fractures, as the object is to see the teat of injury place the traitent on his fide: wedge a conical splint between his thighs and legs. water dressing of bad. 0 The result of force directly applied - hardened faces- Tarturition Symptoms = Great agond from motion of the Slute muscles. fragments morable displacement will be opposite to the blow. Prognosis = Unfavorable, from neuralgie pain which will last for months threventing sitting: If the displacement is lateral, and the victim a male im-yelog the same treatment as in the Sacrum - letting. The disfilacement alone. If the Sacrum - letting, the disfilacement alone. If the Patient is a female - or the fragments are driven into the Rection or Vagena; oil the finger introduce your finger in Rection draw the fragment in situ and maintain it there by Keeping your finger in rectum until swelling intervents: or else you may introduce a bladder in rectum and inflate it. Keep the thighs and tego fastened, and flexed on abdomen attend to the urinary and alvine counters. The Bandone a In External displdeement apply compress & I Bandage XVIII. Os Innominatum. t Situation of fractures = X Hebert &. 1. Centre of bone, or Illium broken across = The patient will not move the crywind thigh from pain will your finger along the Crest of the Illium, pain will increase at the Seat of fracture: I backwards and forwards between finger, and thumb, crepitation will be the result. Treatment = horizontal position: Thighs and legs fas-tened together, and flexed on the velvis: no bandage. Sampson's fracture" = a fiece of bone broken out of The Illium, and ledged in the flank: causing a mo-vable tumoug: Use an Oblique bandage and another around the relvis- relax muscles of the trunk. 3. Guberosity of Ischium: it is not displaced by mus-eular force: Place the buttock on several hillows: fless the thighs and legs: keep the seat of injury covered with lint diff in cold water: the swelling theeps fragments in Situ. 4. Pubes. Prog. favorable: no aressing: Troselion as above. 5. Fracture causing separation at the Symphesis and Sacro-illige junction. The limb on the injured. side will be shortened from an upward displace -ment of that side of the Pelvis; theep the fragments in contact by a bandage around the Pelvis; do not attempt to reduce the deformity if pursistant. XIX. Femuer. Seals of fracture. T. Head: 2. Neck: 3. Frochanter: 4. Upper third: 5. Centre: 6. Lower Third: 7. Condyles. 1. Head . caused by force directly applied: nain in center of joint increased by motion; no crepitus is usually audible hence we use the Stethoscope at the joint and votate the limb: no displacement. Brognosis. favorable; unless interstitial absorption shortens the limb: Use straight splints and the same treatment as in fracture of head of Humanes.

2." Fracture of the Neck; or fract. within Capsular ligam! 61. 2. "Fracture of the Neck; or fract whin Capsular agam 101. "Karneties = Simple; Compound; Comminuted; Impacted; Courses. depend on the angle of junction between the long axis of the neck and skaft of bone! Now in children this large is obtuse, almost in a straight line with the limb, herice the liability in children is Extremely small. But as we grow older the angle becomes more doub, approximating to a right angle which predisposes Adulty to simple t fractua. Expecially in women is this true, in whom from the breadth of the Polivis, and right, angled junction; the slightest accounts will gractuae as a misstep; turning in bed. Etc. This tast assists the diagnosis, as there is no bone in the body Whise assist the diagnosis, as there is no bone in the body which is troken from such trifling circumstances.

Symptoms = Generally, shortening of the limb, from the action of the Bluter muscles: The foot turned outwards from weight of the limb: No crepitation, unless you mull the limb to the hinds. Diagnosis. Often confounded with levation of Femura the dorsum of the Illieno: Diskinguished thus, in fracture the limb can Easily be Straightbred; - not so in luxation. In Luxation or robating the limb, the head of femur half-ably describes the arc of a circle; in fracture the shaft revolves on it own axis.

Srownosis. Unfavorable if the Sufferer is old or a woman: very unfavorable if the fract. is wholly within the Capsular Ligament, as it will only unite by digament; because. I. Unless the Capsular Egament is reptured, excessing te-cretion of Synovial fliled sepantes the fragments and distolves the Plasma: 2. Upper fragment relies for nutritions artery on the single, small one of the Ligamentum veres; the laterial blood is therefore insufficient in quantity: 3. The difficulty of Keeping the fragments in site, by any mechanism: 4. There is no Nidus for the deposition of Callus because there is little or no Cellular tessue, or the fracture is hearty within and althout the Capsule, the Irog. is favorable. limb can Easily be straightened; - not so in lexation. "There the Capsulary ligament is ruptured, or the fracture is partly within and althout the Capsula, the ping. is favorable. "Streatment, of am aged fernale where Ligam. Union is sought. Straighten the limb until the distance as measured from the lant. Sup. Thurous Trocess to the Internal effallectus, of Each limb is precisely the same: Then the limb, on a double inclined plain of the fracture box: Maintain this position for 2 or 3 weeks. you will be obliged to draw off her wrine with catheter, and she will have to deficate on a draw shut or in a bed just: Now, for variety, take the fracture box away, and more her about in bed for two weeks, after the has been text 2 welks in a horizontal position without the fracture box a high heeled shoe: In a few months she will throw away the crulches and walk on high heeled shoe with a cane; the lamb being weater and a little shorter. The apparatus for the Shaft. 3. Fracture of Truchanter major: in transeverse fractive There will be a depression at the usual prominence of the hip: - there will be a movable tumour caused by the States muscles Julling up, and lodging the upper fragment on The dorsum of the Illium: voluntary motion is lost: The surgeon however can make the limb perform it functions: no crepitus from the separation of the fragments. Broomosis = Unfavorable from non bony union because 1. There is no cellular tissue to hold the Callus: 2. It is difficult to keep the fragments in apposition: 3. The arterial blood is derived alone from the adjacent tendons. Streatment: Limb horizontal: hell the fragment down, and compress the Plutei muscles by bandage around helvis: straig

62. 4 Gracture of the Skaft just below the Frochanters. Symptoms. - Simb is shortened: thigh increased in tize: then is usually displacent from the shortening of the limb, and from the superior frag, riding over the inferior due to the action of the Cliacus internes, and I soas magnus muscles action of the the limb them is distract creatibed on rotating the limb there is distinct crepitus. The timb will usually be shorter than the other. 3 matment. = 2. 1. Sir astley coopers by at an the limb was flexed over a double inclined plane while to make the angle more acute, the patient was props up by bolsters. Multer objects to this method, for reasons to be stated. 2. Durpy tren's modification of Desault's bandage, with the addition of a transverse bandage, passing just be low the counterextending band, to paralyse the Povas. and Illiacus: this bandlage is described below in Centre". 5. The Centre of the Shaft. Usually deformed, because you have to contend with muscular contractions of the 12 Thigh and of the leg. Diagnosis .: Crepitos. Treatment depends on the character of the fracture.

Treatment depends on the character of the fracture.

in Simple fracture there are three methods.

I. Mr. Pott flage the legon the thigh and the thigh on the pelvis: Typeclion = while we thus amounts it is only muscles we stretch others deforming it however thus amounted it is only a sir asiley (cooper & sir Charles Bell recommended the double inclined yelane: Objections = (a). The flexion of the ham will till up the lower fragment: (b). Short splints get relaxed: (c). Ancholosis: (d). Patient will suffer from numbered and many the resistion (e). The counterextension is made by the weight of the tody; hence the counterextension is made by the weight of the tody; hence the counterextension is made by the weight of the tody; hence the counterextension is made by the weight of the tody; hence the counterextension is made by the weight of the tody; hence the counterextension is made by the weight of the tody; hence the counterextension is made by the weight of the tody; hence the counterextension is made by the weight of the tody; hence the counterextension is made by the weight of the tody; hence the counterextension is made by the weight of the tody; hence the counterextension is method, adopted by Miller: when the terextending point is knowlebe, and shorkened limb occurs.
3. Desault method adopted by Mütter: where the yeatient is in horizontal position: limb straight.
Operation = Prepare a low narrow ped stead: a hand mat.
on a firm unyielding bottom is stretcher with arrund.
hole through which the patient desecate: Long splint reaching from axilla to below the anocle: thorter splint treaching from Evineum to below antile: two short splints: two extending and counter extending bands made of muslim extenders stuffed and counter extending treed with chamois leather; the stick not passing through but half through the leather: Lay strips of take in order on the bed: place the wider of the two shorter splints, so that the back of thigh shall two shorter splints, so that the back of thigh shall lie on it: cover these with splint cloth: Place the patient-oro these: apply the axillary in splint and yerin Eal splint, after wrapping them up in shlint cloth: tie the strips of tape arrained: apply the extending to the strips of tape arrained: apply the extending band to heel with Bartons hiles: fastow the counter extending band, passing obliquely under perineum: make Estension by grasping the antile, not by the band, when by admagaturement from antile the limb is of our process, to internal mallevies the limb is of night length; fasten the two bands: Pass a transverse right length; fasten the two bands: Side the last strips bandage around the time loins: Slide the last splint between the tapes and anterior of thigh: place co rerforated pad under the heel: hengthen the limb properly from resistances of the muscles; but con. stant Extension wile in a few hours or even days fatigue the muceles, to that you can at length stretch the limb. Bo not be in great hurry to do this.

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9. The chief difficulties of this dressing his in Excoriation (63).

20 of his a apply tree steps of addition the flow hate them of an apply tree steps of addition to the form a long the lag. I have a apply the lag to the form a long the lag. I have made the lag to the momental the lag to the form a long the lag. I have made the land of the momental flow the beautiful to the late the land and a mountained the land the step the land which the land the mount of the step the land the mountained the land the land the mountained the land the mountained the land t unites by osseous deposite. Compound frae. Do not ampulate: close the wound by bringing the Edges to gether: or if two scanty, make a velastice operation by incisions on Eather side, and mush up the integument: Do not pass the stitches into the capsule. 16 0

64. Oblique fracture of tibia involving the Itnee joints:

Symptoms crepitation: danger from inflammation, and anchylosis. Use Sculteties bandage; single incline plane, as in the
Patella. This is the only one fracture of the lower extremities requiring an inclined plane. Grack of the Sibia anywhere above the Lower Shind. The Fibula Lerving as a Splint there is no shortening: Place the limb live a fracture box , go an oil cloth which is placed over the pillow: the foot is strapped down to the feet board for extension: the weight of the body is sufficient to cause counterextension . The sudication here is to prevent the heel from being too high or falling too low; hence run your finger along. The spine of the tibia every day; if there is a project. my point the heel has either fallew or resew ho much and you must sensedy this. Keep him in the fracture box for 3 weeks; thew use the starch bandage, and let him walk about on contehes with his foot "slung" over his neck, so as not to bend the Knee. Brog. is favorable. In fract. of Inferior 3. Generally the fract. box is all that is necessary; but sometimes the foot is obstinably invested, and you will have to use the splint for the Lower 87 of Fibrila. Placed on the outside: Here the Goog is not to favorable serving as asplint fraction when 2/3 of Fibrila: The Pivia Serving as asplint there is no shortering; sometimes difficult to detect from the mass of muscles, and swelling: Run your finger over the bone, crepities will occur at the seat of fract. the fracture box will be the only arising necessary. together subsequently with the Starch bandage as above. Fract of Lower 13 of of ibula. Broken by a sudden turst: Sympt .- Foot turned on its inner Edge and everted : Inter-nal lateral ligaments ruptured : Sometimes gives great truble from eversion of the foot and Sublination. Sometimes the fract. Box will be sufficient; yet the laceration of the Subern. ligaments usually require more. Un suppleme's method. 1. Strys the limb. 20 Place on the inner edge of the leg reaching from the Knee to just above (not below) the internal mallevlus, a thick pyramid. had with the base at the mallolus 5. 30 over this apply a splint reaching below the fort: 4th Bandage this splint & had from the knee down-wards, an getting to the seat of pack. make the next turn of older below it, not covering the frack by bandage 5 then carry the the roller over dorsom of foot & turn the foot inwards by hind-ing to the extremity of the splint. 6 Keep him in this painful nosition for 4 or 5 days, until plasma is evolved & The swelling Subsides, then but him in fract box: then Starch B. Prog. usually unfaverable from Eversion of the foot; hence be carefull of this peculiarity.

Del = That injury by which, the head of a tone is thrown from it hateral cavity. Proximate.

[auses.=1. Predishosing. 2. Proximate.

1. Bredishosing.=1. Peternatural length of the ligaments of a joint: as the Eurose joint: which we remedy by two transverse bands, with lateral straps, initiating rateurs. 2. Congenital malformation: as too shallow acceptable or too small head of the articulating bone. 3. Parallilia town to small head of the articulating bone. 3. Paralytic limbs. 4. Spon taneous luxation from disease, as Coxalgia; Interstitial absorption; Ossific deposites on the condyles. 2. Seneral Predisposing = Preternatural Caxily of the whole ligamentous systems. age the old and young exempt.
3. Local Causes. (a.) External Force. (b.) Helscular force, as leex ation of the inferior maxillary in yourning. No bone can be luxated when it retains its natural position with the trunk. with the trunk. Based on dogree of the head. (a) Premitive; in which the head of the bone, remains in The unnatural position it first assumed. position of its first displacement: causing two lexations. a. Based on the digree of displacement; could socket: diag-a. Complete Suxation: thrown entirely out of socket: diag-notis very Easy: reduction more addenses than The life of the socket: diagnosis difficult: reduction Easy. 3. depends on duration of accident 1. Reant 2. Old lex. 4. depends on degree of injury toadjacent soft parts it bones a. Simple No external would: only laceration of ligaments. 6. Compound. Lesion of integerment communicating to joint. E. Complicated. Nevie arten, or voin torn across Symptoms. 1. Rational 2. Bensible. First worth nothing Trigidity of parts Ele. Vide Syllabo. Brognosis. depends on. a. The joint enfolved. The smaller the more favorable -except the thumb. 6. degree of displacement: c. duration: d. adhesions filling the cavity; E. Constitutional disease as Strumous diathesis subsequently induces white swelling in the ree, ble once distocated joint. f. Direction the bow takes. Barnology. Soon after accident we find the cansular lig-amont torm - muscles infiltrated with blood - muscular 21. fibres toro: bone dis placed. Of ten or more days have clap. He muscles their natural appearance. In tix or more weeks the cellular tessue, or even cartilage are formed from adhesions of organised Plasma; bin. w ing. ding the anteries, nerves, or veins in such a manner that any attempt to reduce the luxation, might rule. that any animages months have clapsed, the cavily of the socket will be filled up; the head of the bone, if usking on a muscle will remain unchanged, if lying on Men and in contact with a bone it will be flattened by in terstitial apsorption: sometimes a lidge of bone, shoots Talse joints more or less ocher in time. B. Greatment. Indications = 1. If you find the quatient faint, sick; prostrated; muscles belaxed, slip the bone in situ 2. If the is well, courageous, you will have to whe

66 Extension and counter extension by assistants, or by Samis of Extension and consister extension should be of Equal force, and in the line of displacement. The extending band so as not to compress adjacent muscles, should be placed on the limb in connexion with the wounded one; or a w greaced on the timb in connex on with me wounded one; as the antile for the hipjoint by muscles: by orifice of the muscle into which the head has slipt: by the shape of the joint, as ginglymus which is the worst: by the interlocking of the bones as the head of the fernus on the lip of the ace tabeleum: by the interposition of a tendor with or without te crai 2 & sesamoid bone: adhesions. To prostrate him by 3 1. Other: 2. Venedection: 3. Bath at 110: 4. Ant. Et Potass. tartras: Myodiatomy to be performed, by subcutaneous incistons when the tendon gets between the bones: you frequently have to di-vide the latteral ligaments of the thumb before reduction: 1.10 1. Onferior Maxillary. Liability, is great from the looseness of the Capsule.
Causes. - 1.age; confine to adults: children and the very old from the langle of junctions being extremely obtuse asks not subject to this accident: 2. Set; women most liable: 3. Preternatural clongation of Processus vaginalis, and Stylved process. 4. Illuscular Contraction. 5. Violence.
Narieties. - 1. Complete Curations of Stokens Condyles: 2. One Condyle 3 81 a 2 displaced: 3. A Subluxation, or slipping forwards of the movadisplaced: 3. A suduration, or supping, forwards of the mova-ble articular cartilage: Synaphons = clouth partially open: increase of Saliva from pressure on the parotid: prominence in the cheek: depression in front of the Ear. Demporal musi-cles on the Stretch. - wrap your thumbs in Hand'chief: Press on the molars of Each side, grasping the chin with the fingers: Press down the posterior of the jaw: pull the chin forwards: as motion begins to take place slip your thumbs to one side of the teeth, as the jaws return with travence: If the matient is maniacal, introduce two 2 2 violence: If the patient is maniacal, introduce two 2 Hocks of wood between the molars iquel the chin forwards 11 and upwards. apply the bandage for fractures: keep the 1 nations on broth. 20% single displacement. Symptoms. Nouth twisted to one side: 5 open: depression and firominence only on one cheek: same treatment as above. 3. Subluvation. By prossing on the jaw, and keeping it separated for a little time, the cartilage will slip in. Ol 90 Cracking your due to chronic inflammation; cured by keeping The jaw at rest applying a blister for two weeks: if due to preter natural length of the cartilage, it is difficult to cure; give iron; cold water baths; blesters. 6. Clavicle. Sternal Extremity. Varieties. 3. Dislocations! forwards: 2. backwards. 3. Upwards. Downward dislocation cannot occur unless the 1st rib is frac. 1. Foward Dislocation. caused by the shoulders being violently thrown backward: Shoulder of injured side is shortened: arm is rigid, and hugs the side: the clavich rests on The Sternan. Easy to reduce : difficult to maintain in situ. Breatment. Whace nations in a proper position, on a low stook or floor: assistant on sound side: Surgeon's duty to make Extension of the wounded shoulder backwards: when the

8

head of the clavicle arrives at it socket by slipping off the 6% oftennino; bring the shoulder forwards: "place the bone in situe a strep of adhesive plaster over it: a compress over that: pad under the axilla: Veep the shoulder unwards and forwards by the slings used in fractures of the same bone.

3. Dislocation Backwards. Symptoms. No tumour but a depression in front: shoulder carried forwards: difficulty in respiration: Very difficult to reduce: In extension full the shoulder forwards, when the bones are disengaged : full the shoulder valuards and keep it there by figure of 8 bandage. If respiration is interfered with and the dislocation cannot be reduced, reseet the bone: the union will be either cartiloas. duced, resect the bone: the union will be either cartilage or bone. 3. Dislocation Upwards. make extension downwards, and Pad under axilla: Ele. outwards. Ganular Extremely. . Marieties = 2. Marieties .= 2. 1. Distocation upwards. 2. Downwards. 1. Scapular Extremity Upwards. Capsular ligament is bro-Kern: Levator muscles full the bone upwards. Brognows. will be ungaborable because the new capsule will be lax, weak, and less strong. Theufore the indication is to obtain as short a union as possible. Treatment. Shoulder to be maintained upwards by a short sling: compress on the tone to keep them close together: had ander axilla: strap and buckle passing over shoulder it illow, 2, Scapular Extremely Downwards. Depression at the acromeon procest: "Fory difficult to reduce: pull the shoulder away from thorax: "bry difficult to reduce: pull the shoulder away from thorax: "bry the keed up with your thumb: "y reduced maintain it by a compress between Corocoid et Scepte. Siability = very great from the loose capsule; mobility of the narts; its muscular power; weakness of ligaments. Nanctives: 1. Promitive downwards luxation of bone in axilla: 0 2. Consecutivo Forward: 3. Consecutive Backwards: 4. Partial by Upwards and forwards as Sublexation. 5. The acromeon prevents levation directly upwards. 1. Downward Luxation. Def = Primitive Euration, lodging the head of the bond in the axilla: it can only occur where the long diameter of the limb, is oblique to the direction of the glenoid cavily. The head usually lodges on the inferior costa of the Scapular. Symptoms. I. Shoulder flattened: 2. An unnatural fossa under acromeon: 3. Rotations ball in axilla: 4. arm lengthened: 5. Every ion of close from the side: 6. Loss of voluntary motion with rigidity of the parts. Diagnosis. Confounded with fracture Corvicis humeri but albeit the other symptoms are identical. This fracture has Diagnosis. Confounded with fracture Corricis humere but albeit the other symptoms are identical, the fracture has no rigidity; no langthening of arm; but has creputus. Confounded also with Revatitor of long head of the Biceps; hum the arm is either term out or in: no flattening of shoulder: a rigid cord on the inside of arm. Confounded with atrophy of a muscle from a blow, called "Sweeny" "Theatment. General Indications = 1. Sive fixedness to the moveble Scapula: 2. Nelax the muscles; as Delpoid et Supra-Spinatus: 3. Draw the head of the bone to its cavity. General Methods (O.) Simple elevation of the arm, while the patient is prostrated by the shock. (1). Lift the bone away from the side, lift the head whilst arm is abducted (C.). Its White of Mannich Chester. Tix the Scapula by placing the fingers and thumb 20. chester. Fix the Scapula by placing the fingers and thumb firmly on Each side of the Shoulder; abduct the armo, Extend it --give it an Elevated rotation; the advantage of this manoerre is that thus it flexes the Deltoid and Supra Spinalus; but R 2 stretches the Latistimus dorse, and Pectoralis Major.

68. (d.). Take off your boot; Place a roller bandage, in the axilla & sufficiently long to extend across; since the chief hazard lies in rupturing some axillary artery tense from adhesions: whate your heel, on the bahdage make extension in the line of displacement; when the head is disengaged and yields, bring the arms over the body. (C.). Pullies, and 3 bands: 1.Extending boths fashened by a wet roller bandage to the wrist. 2. Fransverse band over the shoulder and across the breast obliquely, to fix the Scapula 3. Counterextending rasted round the chest obliquely and fashened to some firm support. (J.) Farris adjustor, gets The rad as much against the thorax as possible . ( &). Myodia. tomy by subcutaneous incisions, as dividing in hear of Biceps. The head of the bone is displaced into the axilla from there it is carried backwards, and lodged under the cla-Symptoms. The arm is carried away from the side and baskwards. But the patient on his sound side; quell the bone into the axilla there do as above. 3. Consecutive Backwards. Def. Bone lodged on the dorsum of the scapulars Symptoms. Flattened shoulder: rounded tumour be-neath the spine of the Scapular: arm shortened: Greatment. When by extension and counterextension The bone has got as far as the inferior costa Scapu-lar: lift the humerus and roll its head off into the axilla; or else it will there be locked: 4. Sublination Upwards. Def. The bone , slips up and rests on the lip of the carity symptoms. arm shortened a triple: no space to insert a fireger between the acromeno, and head of the bone. The shoulder is more prominent.
The long head is thrown out of the grown existing of the arm; the long head is thrown out of the grown and cody of on one of the tubercule: the capsula binding it down is lacerated: arm turned wither in, or out: no flattening of shoulder: rigid con on the inside of the arm. on the inside of the arm. Directions of distreacement = 7: 1. Backingards and upwards of both bones: 2. Lateral of both bones: 3. Forwards of the head of Radius of Backwards of the head of Radius on Ulna: 4. Luxations of Superior Extremity Illma. Courses : Dackwards on the Lead of Medius of Both Bones. Causes . - Falling on the heel of the gralm, with the arms in a semiflexed prosition in a rests in the lesser symptoms. Coronoid provess of the Ulna rests in the lesser signoid forsa: Olevanow Excessively prominent: fore arm shortwood; flexed: tumour in front from humans: Exestment. Patient in a chair: Surgeon stands in front rests one foot on the edge of the chair, and places his knew in the angle of elbow: he steadies the humans with one hand with the other he grades the forearm extends and bends it over his knew. Def. - a Partial dislocation: The radius or the Ulna be-Brognosis. Reduction resudely Easy, from laceration of The ligaments: Symptoms, = Lateral distortment: tension of Brachialis Et. Biceps.

Greatment = Extension; Counter extension; Cateral pressur 6 9 flex the fore arm and arm flace it in a splint; use antiphlogistics and quard against anchylosis.

3. Horward of Both Bones. Symptoms. Usually attended with transverse fracture of the Olecranow process: Brachialis et Biceps mull up the fragmand Radius and Ulna: Forearm is bent back; The fregon and stadeus and ellina: Forearm is vent back, shortened: turnour in front: depression behind: mo-vable turnour from the action of Inceps, on the fragment: apply the dressing for fracture of the Olecranon.

Causes: any action produceing excessive Fromation:

Symptoms. Head of radius is displaced, and rests along tide of the Olecranon: The Badial and rests along to shortened; hence the cornspondent margin of the malm wife malm wife incline towards the radule: Tralm will incline towards the radius: rotation of The hand is lost; Depression where bone should be. Diagnosis. Easy soon after the accident; but increases in difficulty soon after from swelling. Extensions; Supervate the fore arm; west the bone in loco with the thumb: flep arm: rectang. Spling Caused. by any action in the Padius. caused by any action producing Excessive Supination Symptoms = Precisely reverse to the above. Breatment := Extension: Pronate the forearm: Yuish with thum 6. Sublixation of Radius upon Ulna. causes. Partial twist of radius on Ulna; as in suringing a child over a getter by one hand:
Diagnosis. The hidretal photuberance interlocks with the sharp ridge of the Wha: all voluntary motions are yere served except rotation: hand fixed between promation Breatment = Extensions; and as the turit indicates, use forcible and increased Bronation or Supination. Causes. Falls on the outer Edge of the hand.
Diagnosis. The interosseous and cononary Egaments are Excerated: Coronoid process is looked in the Signoid fotta: forearm shortened on the Ulna side: correspondency side of tallow flexes towards Ulna: Digidity of the forearm. Freatment : Extension; Counter Ex: Blezion over the Knee. Def. Distilacoment of the carpal row from the in-ferior Extremity of the radius: Treatment: Extension: Counter Ex. Caleral pressure: antipolo gisties: look out for aneny losis. Inferior Extremity of Ulna. Symptoms. Hand is flexed on the ellnar Edge: Garielies: - 1. Forward: 2. Backward. If the Euration is forward thew will be a tumour in front and depres-tion behind, and vice verse. 1: or reatment. Extension; Counter extension; Firm fires-our on the prominence. Easy to reduce but difficult to maintain in site; Roller bandage beginning at the finger , and firmly compressing over the wrist over This apply an unyielding compress, as a bracelet. Entire luxation of Carpal Bones.
Entire luxation of any, as of magnum must if possible be reduced: if not, make an incision at a distance from the bone; subcutaneously divide the ligaments, and slip the bone out of the external wound.

70. In Bartial luxation of Os magnum. Lady will complain that The cannot They the Trians without great Train. On Examining the wrist nothing will be seen unless it is ferred when a slight throminence will appear. This spontaneous lination is due to protunatural laxity of the ligaments. Treatment. Requires months. Splint: Cold douches: galvanism, their cold douches: blisters, will usually relieve the nuisance. Suration of first metacarpal of humb. The humb is thrown into the qualm of the hand, and becomes being between the other meta carpal lones, it becomes, from this cause, extremely difficult of reduction; and division of the tendens, and ligaments is useless as the locking of the tenes is the cause. Eather to present ment. Clove hitel over a queen of chamois leather to present ment. vent Excoriation, Powerful counterextension by the thumbs of an assistant. halanges. Bone of Mund. Difficult to reduce I from interlocking of the bones, if thrown over anothe metacarpal, 2. Binding down of the bones, by the ligaments; 3. Interposition of a flexor tender with a sesamoid tone. Breakment. Clove hitch over a fiece of wet Chamois leathers subsentaneous division of lateral ligaments of one side by a couching instrument: In extension till the thumb Gerass the walm of the hand to unlock the bones. Frenguson finesses against the bone at the same time Julling backwards. And cannot be reduced , resect, or saw off one End of the bone: passive motion. 14 Facrum. The only prossible displacement is forwards: useless to at tempt reduction by applying internal force to the Pelvis. But Keep up lateral gressine by a transverse pelvie land dage; the the legs and highs: In about 5 weeks the patient will recover with a slight deformity.

15. Luxation of the Pelvis. Del = Separation at the Symphesis of the Pubis, and Jaero-Seliae junction of one side:
Symptoms: Displacement of one half the body: limb shortends.
If his never yet been reduced: apply a transverse lateral bandage: he the thighs: evateh the Tretum's Bladder.

Narieties = 3 displacement throward: 1. Upwards and for wards on dorsum ilii: 2. Upwards and forwards on dorsum ilii: 2. Upwards and forwards on dorsum ilii: 2. Upwards. 1. Downwards on the offse of the illium. 3. Displacement downwards. 1. Downwards and backwards in upper ischiatic noteh: 2. Dunwards and to forwards into the foramen ovale: 3. Directly downwards lod ging on the tuberosity of the ischium.

Courses. The femur waseld the dislocated: for drawn invards causes. The femur waseld be dislocated; if drawn inevards in Excessive adduction; or when the bone of the fenuer is drawn across the other three; such a position fruts the ligamentum teres on the stretch: the head slides to the lip of the acetabulam: the muscles and ligaments act the yeart of a lever, and pry it over the Edge. Symptoms. Limb inverted, shortened: its toe rests upon the dorsum of the sound foot: Kneed is turned in: hip prominent: limb hanky fleved; head totales on the dorsum. Diagnosis = confounded with fracture of neck of the bone!
But hew the limb is Everted; the shorteneng will disappear on slight extension: No movable turners on the dorse on slight Extension: no movable tumour on the dorsum.

confounded also with Coxalgia of long duration, but here The the kistory of the patient will be our quido.

Breatmann = 3 or 4 Indications: 1. Die the Pelvis: 2. Draw the had of the bone towards it cavity: 3. Impress the muscles into cooperations: 4. Constitution at remoding to relap the muscularity.

Methods. 1.Dr. Nathan Imith's. The the leg on the thigh, the thigh, on the Pelvis: carry the leg that is adduct, were the other then rotate it upwards and outwards on its axis, this venter the then the muscles on the fact of the thigh time, and they will had be head of the bone into the acctabuleum. This can only be done to children, and weak patinto. Bare can only be done to children and weak patiento. Care must be taken that the head does not slip into foramen was. I darves adjuster: 3. Bands and compound Pulliss. Place a folded sheet under the Perineum of the sound thigh [Ast on the wounded side as Sir astley Cooper recommends for it to ammels the action of the favor muscles.] fasten the ends of the sheet on the bed post of the sound side: Passa transcevente Pelvic band just above the seat of lesion this is to be sleaded by and just above the seat of lesion this as to be sleaded by and sist and serves to fix the pelvic apply a clove hitch to the inferior third of femurabove the bemur; or else fasten a jacktowel" to the same place by means of a wet bandage: apply the yeulleys and make extension in the line of displacement: when the lone yields Extension in the line of displacement: when the bone yields and is on the edge of the acitabulum; give the word to the assistant, let him immediately cerchitch the quellers, at the same instant let the surgeon rotate the three upwards and outwards.

2. Upwards and forwards on Or Perbis.

causes. The timb fired firmly while the body is carried on by momentume, as falling into as hole, whilest in motion. By momentume, as falling into as hole, whilest in motion. By momentume, as falling into as hole, whilest in motion. By momentume, as falling into as hole, whilest in motion. By meands. Governed: limb shortened: head of the bone under Pournants ligament. Pelvie band of the bone winter extending band as above: Pelvie band around the luxated limb, to serve as a gnashing point. apply the extending band, and pullies: whilst the force is excerted, let the surgeon coax the abductor muscles by lifting the leg up and down by means of the femoral or begins to slip, let the surgeon has arrived at the cauty. The thigh and carry it suldenly over the other thigh. Quite Bare. Tide Medical Examiner 1840. Onticle by 3rd. Mutter of Backwards and Downwards in Inches overses.

Causes: Force applied during excession abduction. and outwards. Causes: - Force applied during Excessive abduction. Symptoms. The toe of the Euration Rimb, rests on the tall of the Found foot: Einis is shortened that not so much as in the lexation on the dorseen this root so much as in The lexation on the dorseen this. Fifthe limb ap with the femoral or surgeons tandage: when the bone begins to slip, suddenly full the thigh out to stimulate the muster. a es 5. Forwards and Downwards in Foramen On Soumhoms: Limb Everted: longer than usual:
Breatment. No counter extending bond: but two transverse
Thelvie, one of totuck hasses under the Perineum of the
Journal Migh: Get the Sungeon Stand on the Juberosity of Isching The limb is longer than natural, unwards, and inwards. Luxation of the Tinee. M. Warieties 1. Outwards: 2. Triwards: 3. on it's aris: 4. Unwards: 5 Downwards. Indication = To Caunteract the muscular action of the Quadricetes femores = Rectus femoris: the Vasti: The Crunales.

72. 1. Outwards. The patella rests on the outer condyle and un. Less reduced, it becomes united to it, resulting in nerma, nent anchylosid, with stiffness in walking! All motion symptoms. Ereat agony: Sickness at the Stomach! all motion is lost, from the lakity of the Quadriceps femoris. Freatment. They the things on the Pelvis; Extend the legs 00 a 1 a on the thigh and rest it on the Surgeon's shoulder: Then reduce the displacement with the thumb. A 8 3. On it's Ovris. The patella is twisted and stands on its ed. ge. Extremely difficult to reduce. Same position as a - bove: Surgeon pries up one Edge the under, with his thumb, whilst he mushes it in loco with the other: 6 Cover a Key and use it to you with 4. Upwards. The ligament of the jeateles must be broken across to accomplish this displacement. a 9 commence with a roller bandge at the foot, carry it ups to the knee - place the bone is site. Keep it there and youralyse the Quadricens femoris by figure of eight turns of the roller. Keep the limb at rest on an 8 inclined Tilane for 4 or five weeks. 5. Downwards, This will be the result of laceration of the 000 tendow of the Quadricepo femoris: Use the same dres-9 Sing, as above; but be careful of your prognosis, as the usion of the lacerated tenden wile be weather.

Warieties = 1. Backwards: 2. Forwards: 3. Outwards; 4. Inwards: 4 5. Subluxation, or twist.

aneurism Def = a tumour filled with blood, and communicating directly or indirectly, with an artery. Varieties .= 1. Syurbaneous, results from deseade of the artery as Ossification, softening. 2. Traumatie, = lesion of a healthy artery, as by alwound. 3. Internal = develoyed in some large cavaty. 4. External ,= develloyed in the Extremities. 5. Trud = blood contained in one or more coals of an artery, and has a circumscribed tumour, thus: 6. False = the result of wounds where blood has escaped from a ruptured artery, and is infiltrated into the Cellular tissue. "I. Stexed = composed of True and False, an artery becomes dilated, as in True ancurism; it bursts and infiltrates in the Collular lessue; It is an Angurism within an Aneurism. 8th Circumseribed; limits of the lumour Easily defined.

9. Diffused: - Carge amount of blood dissecting up tissues by infiltration. 10. Dissecting = the blood gets retucen the coats of the artery dissecting them up. I warrante. 20 Indirect communication of an artery and vein, by means of a tumour between them, they I'll. Ancientimal Varix: Produced by bleeding, when you hierce the vein and the active veneath; planta is efficied, the artery is glied to the vein an opening established, and venous and arterial blooding mingled froducing the pulse called Ancurismal thrill. 2: 13. Ameurismo by anastomosis. - tumour of congeries of capillary veins and arteries communicating by anasto-Exectile tumour, or Natives.

Sumber = In France of exercise but one, In Spontaneous

Cook out for others in groin, axilla, hip the Endogenous=

Crisp of England divides aneurisms into 1. Endogenous=

Mose confined within the coast of restel, 2. Exogenous = the

false, or those without the evalls of the blood restel.

Diagnosis. = When Recent an aneurismal tumour ful. Jakes. The integement is not discolored; the tumour is more or less fluctuating - Pain due simple, to compression of news in the occinity Pulsation ceases on compression of the artery. ancirioms may be confounded with any other tubuser, which will qualsate if foressing upon an artery. I however you just it aside or lift it up from the the artery, pulsation will cease. Run a cambrie needle in The tumour, if it be aneurism , blood globules will ooze. 3 rogness. = External and iraumatic Easy to heal. Internal Stores = External and traumatic Early to heat, orderated very unfavorable; slow in its devellopment. As the tumour Brogress = Usually slow in its devellopment to surrounding tissues. Progress grows, it becomes adherent to surrounding tissues. Progress sive absorption of bones, and other tissues. take place by the pressure of the blood. Integument becomes discolored, gives way and death Ensues from hemorrhage. When depute of blood = liquid in recent cases but solidifies by the deputition of concentre layers of filrin.

State of blood = liquid in recent cases but solidifies by the deputition of concentre layers of filrin. blocked up sometimes by fibren. anchirison of the Abdominal agrica may obliterate the artery by pressure - artery some times inplanes, placena is Effected blocking up the artery. External aneurisms cured by sloughing, very race. 2. Deall from homorrhage when the aneurism bursts. 3. Least from Exhaustion when the aneurism presses us from Exhaustion when the aneurism presses upon an important organ, devanging its functions, as ancurison of

84. A dorta may firess when the stornach of the land or or direct influence of the tumour on ortal organ. Treatment ? Indications! To diminish the force of general concidation. ? To arrest the circulation the force of general that I Indicate or that of talksaloa applies only to intermal aneurisons = Rest in horisontal position I the least possible sustinence to be diminished daily - Very little fluid let him such ite or a new ray if thisty - Vigitalies, anto monials, large dojes of actions of lead, with opinion if necessary - the expection, only in cases of phelagmatic viersons at the outset of careful not to been as it dim inches the Plasticity of the blood. It liseless to commence this treatment if the patient has tuberculosic or any other vital disease, as the severity of the treatment. This treatment if the platient has tuberculosis or any other vital tiesease as the severity of the treatment will effectually kill him.

Local Remedies-11. Leech if painful. 2. Long seton of Sr. elloris, which is to be passed through the integerment of the tumour. 3. See, astringents, 5 refrigerants alternate second method = Compression. Billingham's alternate compression = to diminish circulation slowly. Two toursed on the cardiac side of aneurism, on the artery, the other on the distal side of amounts on the artery, the other on the distal side of amounts. Compress one, then it as long as it can be borne, then highton the other and unclose the first, and so alternate. Even should it fail, lodse the first, and so alternate. Even should it fail, of prepares the artery for Eigation. General Brinciples I In variouse veins, ligate above and below the tumour. In ligating an artery, see that the two mour is placed in a position favoring mulsation so that you may readily find the artery, til it as near to the tumour as possible, as you may have an anastomoting tranch, or the artery may bifurcate. 1 Sing tranch, or the artery may bifurcate.

Offe ligature is placed on the Cardiac side of the tumour.

Effect on the tumour = Pulsation will cease - the tumour will shrinks
and in recent aneurisons will entirely disappear - the limb
and in recent aneurisons will entirely disappear - the limb
will become cold as marble - in a few hours it will ber
as hot as an inflammation. I wrap the limb in collowwhen
as hot as an inflammation to loral the limb in collowwhen
cold - when warm do not apply cold, but timply elevate the limb: no danger from mortification, unters the
capillary circulation has become impaired by prior inflamexhitter teorisiders Hunter's Operation the best, and would tigate
the Primitive that the External Eliae Me before he would be
gate the Termoral, below the tumour. Def. The ligature is applied on the distal side of the two-mour, or between it and the capillaries increases. The limb expects. = Tumour and Julsation greatly increases. The limb as before is first cold, then hot, then of natural heat. The cure depends on arteritis, or Inflammation causing the effusion of Plasma the performed, except by necessity (E. & This operation subtree is incompatible. Brasdors Operation. Yrardrops Operation The ligature is here applied to a Collateral branch of the diseased artery no the capillary side of the tumour. as in anewrison of the arteria Innominata, ligate Either the Carotid or Subclavian. This diminishes the supply of blood passing through the tumour. The tumour and fulsation diminish. But in addition to street antiphlogistic treatment. you must employ the method of valsalva.

and a content following these Operations [15.]

(a) = Ciffer ligating a main artery "Convictsions" will frequently follow. Horizontal Justition - frictions - water - warm brandy and water - hot injections of ditto - Depletion if the face becomes turged and black.

(b) = Dever. Antiphlogistic Treatment.

(c) = Secondary Hemorrhage. If the artery is sound, and slood jets out, religate for you know the old ligature has given away. If blood simply oozes apply the tourniquet, foll 1/2 an hour, cold applications. He sixth in larger ones.

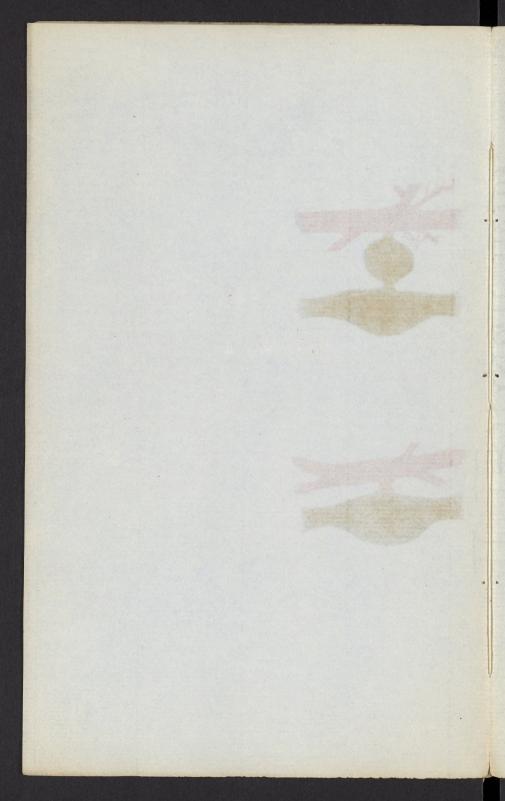
(d): Increase in Size of tumour with pulsation. This is due to the anastomosing circulation and usually octure is the first 24 hours. Cold - Elevate limb acetake of lead - bleed if "patient is plethorie. If these accidents following these Operations i take of lead - bleed if patient is plethone. If these w- (6) = Rupture of Sac - certain death (5) = Gangrene of the limb will be the result of the Oper-ation : if prior inglammation had impaired the capillary circulation of that limb. It is useless 20 been tied, and gangrene Ensues; for death has

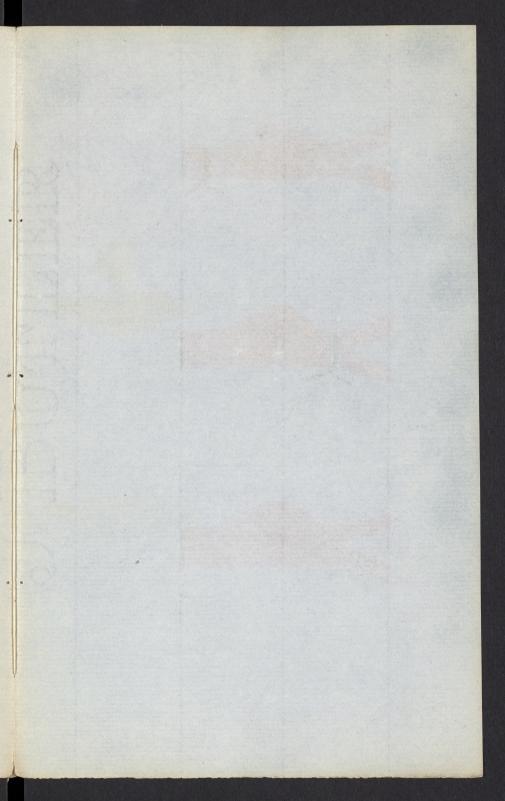
thus far been the result.

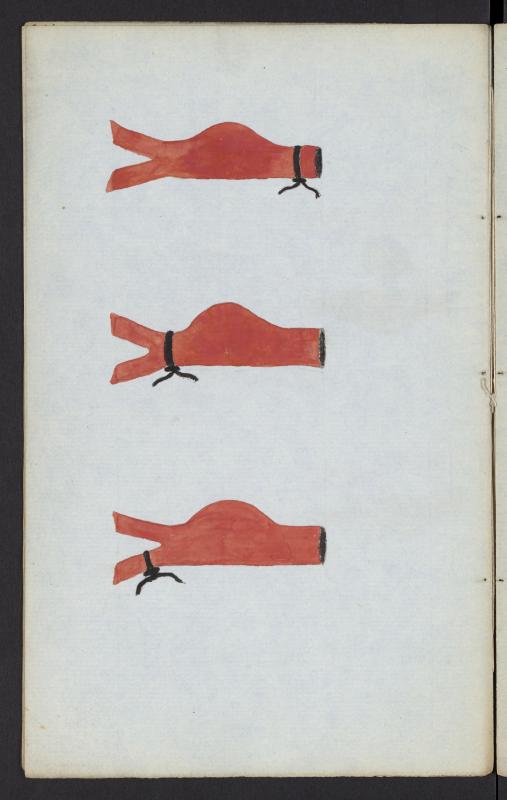
(b). = Plethora. Patient will suffer from headache a variety of pains, which time alone will cure.

Of other methods for reducing aneurisms, only "Galvanism and accupuncture" worth retaining. to ampletate a limb, where the main artery has In Waricose aneuroson, and aneurismal Warix, usually ligate, above and below the turnour. planeture" worth retaining. In ancierismo by anastomosis - Strangle the tumour by ligating its base, under two needles which cross Each by ligating its base, under two needles which cross Each other at night angles or Else strangle by 4 cords—other at night angles to strangle by 4 cords—other at night of by passing two down ligatures, strangled with four knows angles to another pass two needles that aneurismal tumour, be on the trunk pass two needles of the aneurismal tumour, be on the trunk wind a ligature of the aneurismal tumour, at right angles; and wind a ligature of the tumour, at right angles; and wind a ligature of the base of the tumour, underneath the needles. nto 26 en -3 te. nb res









XIII. Injuries and diseases of anus et Rectum. Imperforate and. Del. = Congenital occlusion of the natural orifice of Rectum "Varieties = (a) Simple Contraction is which the natural orifice is small from contraction of apprince. (1). Closure by thin membrane of skin or flesh. (C). Termination of Rectum in a cul-de-sae, this may be complicated with tequinentary or fleshy septition. (d). Termination of Rection into other organs, les bladder. (E). Imperforate by a contraction first above the External Applicate, like an hour glass contraction Symptoms. Patient a child just borro, has prassed no meconium since its birth; abdomen tumid great agony with symptoms of colie. Treat. = depends so form. of the form is (a) In test a probe and divide the sprincles in & dif-Jerent directions: as soon as neconium passes but link in the wounds, and let it remain. (6). Septum. When child screams a tumor will be found: Then it by a crucial incision. (C). In large Leptuno, fleshy, or Cul-de Sac. Dissect up until you come to a fluctuating turner then divide with erucial incision. Leize the End of cul-de-Sae, mill the gut down, and stitch it to the margin of the External wound; annusat invented this: Deledges of line in wann agua. (d). A thin Sektum; introduce trocker , and leave the carrula, or introduce Sundastie Carrula to be daily Enlarged. Trochar must be slightly curved. (E). If terminates into other organs. as in bladder known by color of cerine. wait 3 years, there make An incision and pull down the cut de suc. f. If you cannot reach the cul de Sac Establish an artificial anus; and only if parents are desirons. but Mutter would prefer the death of the child. Esistory. In 1710 Littray proposed to onew the Colon the left side; this is dangerous from wounding the Peritoneum. 1796 Harrison proposed to reach the gut without wounding the Peritoneum; the descen ding Colors, whose posterior nortion lies in the lune. For regions and is uncovered by Paritonium

Recollect that if when you reach the gut, it moves on respiration it is a small intestine; but the colon is stationary. Trurches. Del. Hehing. Two thirds a Infant. b. adult. (a) Infant owing to worms . I. Sevop them out from the nouch of the rectum. 200 Inject 1/2 trumbler of Sut. oil: or Shts. Terebinthinae. (6) adult. Pruritus. On Examining the anus, you will find it pinkish, and covered with white spots. this is a tetter caused by dispepsia, or Costweness. apply to harts argent. nitras in Solid stick; Then inject citrine, or tar ountreent. Constitutional Neuralgia of anul. Symptoms = Intense pain at the End of the gut, sometimes intermittent: This is however a symptom of Fishele : Piles: Pouch or Jac of Rectum -Diagnobis: = Examine part carefully: if the gut is sound, and you can introduce finger without increasing hair, it is Neural zia: Sometimes there is constant spasser. along of ames: Sel - Paralysis of External Spherickes. causes: Found frequently in old neople, from want of nervous power: is a Serious inconvenience as there are constant fread discharges: If theirdifidual is to or 80 years old with complete par alysis; halliate the remedy by astruigent injections; by as soft had pressing against the spherites. If hale and young , or beat on an Operation : Per form that of Dieffenbach; place nosition as in Lithotomy; empty rectum: Cut a triangular hiere out of the Sphineter, this shorters the Splinder & Stitch: Solenorrhagia of and: De = Constant creamy discharges of nuces, like white of Eggs. 3 ymptoms - Throbbing: desire to mineturate: this in causes. - constitutional, or Local weakness of the part. Diagnoles: = Examino Rectum, with double bladed speculum of Charrier; If the inflam is chronic it is red; covered with cream spots; use injection

arg nit. gn X. to aquae 3j, by glass syring. Lor 3 times of day: Diet: Small doses of bl. ricilii: sometimes lackes: of Constitutional; you will find Rectum haler, flabby: inject simple astringent, as while bak bask tea: or Sodae boxas, twee aday: if these fail use arg. nit: Hemorrage from the Unus: Causes : From viles: from giving way of a capillary; Etc. hence be quarded in prognosis: When this discharge is vicarious, with tendency to congestion of other organs as in amenor hoed do not check the discharge. arest it by astingent injections; actual Cautey: use an every speculeum with junestrà on one side heat the button to white heat: Organic Structure of Unus. (c) Hay's Pheration for prolapsus ani: Diagnosis between Organic & Shahmodie: In both feels hass with difficulty through External orifice; of accompanied with pain it is spassmodie: In organ. ic finger cannot Enter into anus: You can readily insert finger in Shasmodie: Operation of brganic: Divide Sphender crucially: intro. duce bougies of ivory with Earthy matter removed; increase their size daily: There is always a lia. bility of return, hence he must at stated times w; hass a bougie after convalescence. Treat of Spasmodic: = Bougie Smeared with Ext. Bellad. External tumors of the anus. They are usually rrectile and covered with creamy Trus: If they are due to Vert. Typhilis They are called verrucae, or condylomata: hence treat constitutionally, by Hyd. bicklorid+ Sarsaparillo: cut off the tumors, and apply link dift in lime water: wash them with Salt water and dust over calomel. of Schirrus tumor: there will be an accompanying cancer cells will be found. I malignant, take it con

Daway rady by removing the whole Sphineter: Patient with always be obliged to wear a had to retain the feces. Prog. unfavor. from return. Himorrhoids or Siles 54. Should not be hemorrhoids as they do not always bleed varieties: = 1. Blind, with no discharge of blood: 20 year with hemorrhage: 32 External 4th Internal. Causes: = 1. Predisposing: 22 Local. Bredis posing = (a) affection of liver, impeding the Portal circulation, causing plethora in hemorrhoidal veins. (6) Sedentary life, favoring congestion: (c) Local = (a) Simple inflam. of Rectum: (6) Constipa tion: (C) Pregnancy: (d) Foreign bodies, as impach feces. Sympt: = Heat and throbbing of rectumo: feels after fatigue, as if a tumor was there: difficulty in defece tion: descent of Sphinder with 2 or 3 tumors indicate "Blind piles: In Open Jule" There is hemorrhages; tumors like raspherries: passes water more frequently: frain Ele. Diagnoris: Examine Restum: tell patient to bear down with all his might over warm water: a mass of raspberry tumors wile be exposed. Internal tumors are always covered with mucus membrane. The External are not. Broanolis: Do not neglect them, as patient may die from anemia, or Constitutional irritation. Dissection: or Barnology of Biles = 1st Ordinary Piles in its incipiency is nothing but a varicose veis, or presure it will disappear: 200 Bud. denly taking place is an Extravasation of blood under mucus membrane; making a little hand, murple tumor, called "blood tumor" and rolling under pressure like a Shot: if left alone it will be absorbed, but requires so much time that it is always best to operate. 300 also suddenly arising, the result of fatigues = a simple ingle tion of blood, or congestion about rectum and anus: a Consitudinal fold or ridge Extending from one End to another of Rectum, protrudes from it: 4th In centre an Erectile tumor, surrounded by dilated veins, with deposite of plasma; requires operations, but hazardous to knife from vascularity.

5 " Sarcomatous i'cle, very hard and fibrous. 8. usually External: caused by dilated vein with effusion of plasma and subsequent disappearance of the vein; confounded with Polypus. Great generally considered. (a) Blood clot, cut down upon it: take it out and apply astrong. as kand + dead: (6). If due to Congestion: apply cold applications; elevate hips: apply leeches: Reum ricini: (c) of Internal Piles, exectle: They may mortify, and destroy palient, hence if strangulated , let out blood by leeches forment ations, when shrivelled then restore them. Bolliative Treatment = a told pressed linear oil, a wine glass full Every morning with diet: (6) Ward's Paste [ Confectio piperis nigri] internally The size of a nutinez every Evening (c). Cold baths: cold douches into rectum to stimulate The capillaries. Radical treat = 4 ways (a) Pull down tumor by double hook cauterise with situe acid until it turns white thew wash with an alkaline and return it. ellutter does not approve of this measure of Huston: (6) armerssat; Pile is caught in a clamp, strangulated by a screw; cautivized at its neck by the instrument; remove clamp, wash with vinegar, and return it. ellutter has more confidence in this. (c) Duy puy tress, cuts them off; but ellutter considers it dangerous for internal ones in particular. (d) Thysic, strangulated these, by annealed wire drawn by double camular, which was left in the Rectum, until the tumor sloughed away: .(E) ellutter uses double hooked forceps; curved scissors: instrument to draw flat needles with double ligature: Eye of needle at it's point: Patient forces down tumor over a tub of warm water; is caught by assistant with boreeps; pass double ligature through base of tumor: ligate; cut off tumor above ligature; return the whole up, and ligature will come away in time: cut off both ends of ligature: To know if thew is intunal hem orrhage, insert a catheter, and let it remain. Cut off External hiles, and apply lint dipt in ce water; rest, to prevent the hemorrhage.

Polypus Rectum Is usually a fibrous tumor. Sympor. = Difficulty of defecation; occasional) slight discharge of blood: no pain, but a decise of necturo being filled up. The tumor is pediculated, and always require in operation: Operations. after naticul has forced it down; then (a) Mutter hasses a wire over the termen a round the base, and thew cuts away as much of the tumor to prevent an extend . ed surface of sloughing. (6) Simply ligate with a moore of thread and let it remain. Del. -1. Either a dilatation of the natural saes, or alleration of a blood tumon. The rectum there are marches; feeal matter lodges in their dilations, there to the lige of Even a walnut Summer. Patient is miserable; can't have dis .... charges without ourning hain; caused by Spasses: discharge of hus; examine rectum with the speculum, and you will see nothing at all: take a bent hrobe, hook it horal in the orifice of the fac, and full it down gently; when it reaches the anus, you will find a demitransparent membrane through which you can see the probe [ If you cannot it is a fold of neces membr.] cut it out or snip out a piece Bodies. Teres usually as hard as a stone: Supply: = Toeat hair: no discharge: tenesimus: Treat: Take are clastic long gum Catheter, and insert it between the gut and feces, looking it gently until it's point is above the mass. driject a (0) of warm soap water: take away The casheter and let the patient remain in bed: The water will heredate the eness, soften it: Keep injecting, and perhaps it may ce quire a whole day to remove the Entire mass.

Schirrus of Stechum: You can Exterpate, a cancer of anus by the moving the Sphincle : But not so with cancer of the Rectues : Operations are useless: you can only pralliate; and fire vent occlusion of gut, from vigorous granulation Salliative treat = Suppositories of Minim for the pain: To compress the luxuriant granula tions, take a bladder with a long flexible tube attacked: vil the bladder, pass it up about The cancer; inflate it, turn the Stop-cock; .... take away the Catheter, and Ecane it as te long as he can bear it. Stricture of Blectum: Varieties = 1.50 Spasmodie: 200 Permanent. Jone doubt the existence of Spasmodie stricture but ellutter has deen it. Bea Sommitoms of Spasmodie = difficulty in defecation. h attended with pain for two or three weeks, then he is well for a time, and then is constituted again It is intermettent. There is no indication of any disease by the speculius, during the interval of normal condition; but on Examination during and attack, you will find a resisting barrier with obshinate contegation and hair. Freak. 2 Remove the Cause which is constitutional. Significand of Sevenanent = Constantly more and more costive: Jeces hars out in tapes, or little pellets: no intermission: will find a barrier located about 11/2 - 2 inches above External Sphincter: of it Exists to high to be reached, use the Speculius, or larged sized bourges, and you will find a resissing barrier. The opening to this barrier, may be in the centre, or to one dide: Having ascertained the existence of a Stricture you must find out the variety of the Leptures: Brognosis: depends on (a) Simple Shickening of the mucus membrano: (6) Fleshy Septumb: (c) Fireno hard Cartilaginous ulcerated mass: or cancerous in this last, you will find pain, shooting down bladder; general cachepia; Exumino pus globules:

84 (a) can be cured entirely (b) only by constant reapplication of bougie (c) is hopeless:. Freak: = (a) or Suplicature of Musus Membrany: Surde The barrier by crucial incisions, with a sheather bis. towny: Inbest an ivory bougee with Earthy matter taken out, so that it may swell by moisture ? You must have a crutch on the bongie to prevent (6) If the Leptum is teleshy; do not make your encionos, but sely whom the influence of the tougie; not by forcible dilatertion; but the presence of a foreign body will stimulate the absorbents ? Constantly wass in bouged larger, and larger, It will require months; but cannot be radically healed, as the nations will be obliged to gress a bougie up from time to time the he dies: If there is a simple deposite of Plasma with ulcer: take a Speculum, and carefully canterize the uleer: inject astrongents; opiates: NB = give a wineglass, every day, of bak Orchard water from a natural Spring near Nochester. This is almost a Specific, for ulcers of bowels. Inject Rhatany; Tormentella: If Cancer: Can only walliate: Use air bougio or bladder inflated above the strekure, to prevent reclusion of gut: Opiate Luppositories: for I's rin anent occlusion of Recheus: performs The operation for artificial anus, of colon on left lumber region; as laid down by Harrison; Diseases of Bladden: Bupture or Wound of Bladder. occurs from blows on the pubis: wounds: ulcerations: Dreympt. Frace direction of wound: urinous odor: distillation of wince from the would: - When then is no external would; sudden agony from extravasation of wrine in Peritoneum: no flow of Treat of Stab or Vulture = Prognosis is exceedingly unfavorable: Introduce a permanent Cashetin: most active antiphlogistics: diminish the seevetion of wrine by Minim: of ruptures the prognosis is most impavorable, as the bladder is apt to slough:

acute inflammation of the Mucus Membrane (3) It results in Rubbing: Thickening; chronic inflammed tion of the bladder: Sacculated unecus membrand banses = Cold: Excess in Venery: malt liquors; blows: Sumptoms = Constant desire and Effort to hass water; heat; weight; throbbing above the mubic bone: inclination to defecate, but this increases the pain: Urino is muddy from pus and sunces. Freak. Let patient standup, and bleed him tell he faints: but him in a warm bath where he re. covers; Then inject into rectum Tinch. Opici: Give mucilaginous, or demulcent droughts To render wrine wore watery; as water enclose seeds: Sive Castor oil: Elebate the rips, to prevent gravitation of blood: Cups over perincum, and pubis: leech the bas fond of bladde. ner Rectum : Brognosis = he may get well or lay the found-ation of catarrh of the bladder. Chronic Inflammation of Mucus Coar: Catarrhus Vesicae Sumply Irritation at End of pressis: Efforts to make water: Urine viscid and charged with rencus; is streaked with blood; with white lines of Phospitate of lime, and with Jus globules: Causes = acute Inflam: foreign bodies: adjacent inflam Diagnois: Examino per Rictum for Piles: Sound him: Examine Prostrate per Rectum: Introduce the Sound and your will feel the vacculated, or riblike Edges: Examine the urine: If the complaint has Existed for a long time it is usually alkalline: Sest for Wrine: Natural; or acid Urino both turn litimes paper, so this is not to be relied on: But acid wine will under the microscope will give large quantities of Reddish, yellow, wink crystals of Wrice acid; taking This color with the action on litures paper we make out our diagnosis. This acidity irritates the bladder, and lays The foundation of fues: alkaline Uvine : will smell alkaline: Tumere haper will be turned brown: Oxaluria contains dumbell crystals of Oxalete of Lime:

86. usually occurs in Dyspeptie, and goute diain common crystals of oralite of dime. Obilious Wine: Reddish like Hood: mieros copo shows Cholesteryn chrystals: can only occur. in diseased liver, with vicarious secretion of the Kidney. Specific Is raving determined by the Urinometer, which Links in albuminous rives in flucose urino: albuminous, when heated becomes white: vitra acid coagulates the albumero: is an accompaniment of dropsey, and Brights disease of Kidney. Deposites of Sand or Sabulus matter: Is the simples of all diseases of the bladder; but result in stone if neglected: you collect it by percollating wine through blotting paper, and testing its character. after every Effort at Defecation, a white, creamlike discharge in the wrine: It may be Spermatorshoea, then there will be Spermatozoa in it: " It is usually however mucus, and has the char. acteristic annous globulo: Urine musky on deposition: Executments of above diseases: (a) of acid; use prop. arations of Soda, or Lig. Potassae, in combination with a divertie as Erigeron Philadelphi. euro, a tumbler full 3 or 4 times aday: Pareira brava: uva ursi: Balsam copaibas when he can bear it: Chango the diwretie Every few days: thus. Soda or Lig. Idass night, and mor. reing: Diwete during the day: Balsam Copaibae of Butter of Cocoa + This gr.j every night on going to bed: Counter irritations must not con tain Cantharides: Seaton; issues: Granvilles lotion: apply the irritant to the seat of pain: to Perineum: to abdomen, or back to suit the pain: Dr. La Roche has written on this subject: (6) of Ulkaline: use die nitromuratio acid: freely diluted in diverties, treat as above with the difference of an acid: If the mucus is

viseid, inject into bladder, by a double dilver Can- 84 ular through the apper title, simple warm water do this every day or two , to wash it out thoroughly: Inject in the Jame way Nit. argent. gr. 1/4 to the increase the strength, until an impression is made; this is to be resorted to only when other remadies fail: \$ 3 not inject any thing in acute dorflam. (c): If Oxaluria: It depends on some specific cause as dyspepsia: gout: use the Specific remedies: (d): Of Sabulous matter: Use the same treatment as in acid or alkaline Urine, as the case may be: (E) of Jus or Turulent Urino: Inject arg. mitras gr. 1/4 to the 3i of water : ellitter recommends Gross of Diseases of Bladder and Uremany diseases Orritable Bladden: Is usually a symptom of another disease, and is rarely idiopathie: Sumptoms = Patient is frequently obliged to urinate; Especially when walking, after Eating; or after drinking a glass of wine: horizontal position for get up at night. Causes = (a) acid or alkaline Urine: (6) Stricture. (c) I Phorrhoea: (d) Piles: (e) abscess, or Stricture of rectum: (f) Calculus: Catarrhus resicae: Disorded Stomach or liver: teething in children, hence lance the Gums: Hysterical affections of boarding school girls: weak Spine: Partial paralysis of abdominal muscles, causing the viscera to press on the bladder: Treat = To remove the cause : spasm of the Bladder: Sugarph. Frequent inclinations to urmate: usually depends on other diseases: confined usually to the neck of the Bladder: History = Tatient perfectly well for several days, but if he takes cold; or rides on horse back; takes a glass of wine he has pain; retention of wrine which rozes out in drops. Cure the Cause:

Baralysis of the Bladder: causes:= (a) Inflammation: Then there will be, a con-stant desire to pass water; burning, sensation; constant nain of the bladder; this is a sure sign: If he passes wrine, it comes out, in drops, or twisted stream; (6). Blow upon the Pubis or Belly: He cannot pass his water, without a Catheter; this is the result of nervous shock: Some pain, but not the pain of Inflam. (c): Distention: Persons of Sedentary habits, Emplying their bladders only partially: the write collects in the basfond and results in paralysis: The Sa tient is first obliged to make an Effort to pass his wrine; it does not come out in an arch: drains, away and dribbles after the stream has ceased to flow: Old people are liable to it: (d) Concussion; Compression of Brain; Etc: Greatment: (a) Inflammation; Fields to Steady nurgation Jurgo freely at the first visit, afterwards use Oil: Use demulcents, opium as in Oystitis: when convalescence occurs, gradually discontinue the hurges: (6) Blow: Requires time for recovery, several months generally: Fraw off the wrine twice a day and not oftener , because the bladder will become so contracted, that when he recovers, it will not contain but little wrine: Give Strychmia: armica injections also per os: Galvanism; counterirritation: Retention of Urine: Del = Urine cannot pass from paralysis of the Expelling muscles; Stricture at the neck. Retention is not suppression, this results from diseased Causes = Paralysis of bladder: Inflammation: Sharm of neck of bladder from cold, Excess in wine, Canthar. ides Esc: Dentition: Hystera: Mechanical can-Des, as Lodgement of stone in the need: Enlarge ment of prostrate: permanent strecture: Collection of blood in bladder: Displacement of womb, compressing the neck: most fearful cause Equals the laceration of Weethra from a blow on the perincum: Etc.

Diag. = ask Patient (1) Sid it come on suddenly (89 (2) Slowly or gradually. (3) If the attack has been in termittent. If (1) Suddenly it depends on Paral ysis, spason, inflam: (2) of Gradually = an or-gance disease; a blow: concussion, Prostrate sland. (3) Intermittent: = affection of line: Neuralgia of bladd. Beneral Thenomena = (a) Unable to pass his wrine in a full stream: may be confounded with Incontinence or dropsey from the dribbling: (6) Examine Puls you will find an oval tumor fluctuating from the distended bladden, it is not therefore inconteneuce. (c). Uneasiness, intense agony of Enlarged Prostrate: (E). On 3th or 4th day, from absorption of wrine, The breath and Perspiration small of wrine; ac-Seal, depends on two causes (1) = assorption of Urea, causing coma. (2). Constitutional Prostration. Freat = Depends on the Cause . of (a) Paralysis draw off the water, by Casheter, but not all; as the same re-July will Ensue as in abdominal Dropsy, in e which if you suddenly take off the compression of the fluid from the Capillaries; blood will rush and inflammation set in. Hence Empty The bladder slowly, and use compresses; use The rem\_ Edies for Paralysis, and instruct the Patient to hass the catheter twice a day. 4(6) Inflammation: Then the veins of both arms, whilst the patient is standing, bleed until he faints: give anal injections; formentations: Opium : Warm bath: Dionh but the Catheter into the bladder at first as this will irritate: But if the Stricture or Petention cannot be overcome; Etherise hims , and insert the largest Casheter. (c). Spasm of Neck: When you hass the Catheter down to the seat of stricture, press gently on the Spasm for a long time, it will yield in time. (a). Dontition: lance gums: purge: warm bath: Catheter: (E). Hysteria: They will send for you repeatedly, to gratify their libidinous propensites: You must rea-Some with them: find whether they have urinated by Examissing the pubes; they will derry having.

90. (f). elecanichal Obstructions: (1). Coagulated Blood, caused by a blow, or hemituria; historywill inform us; blood will once have trettled: no fluctuating tumour: Introduce double catheter, and passa stream of warms water to dissolve the clot; if the Clot is hardened, and will not yield, herform the Lateral Operation. (2). Enlarged Prostrate: caused by Chronic Inflamma. tion, or hypertrophy: This is the most fatal of all the Courses of Retention; as it occludes the neck of the bladder (a) By Pressure: (6) The third lobe may be Enlarged into a nedunculated tumor, which acts or as a value. \* See next Tage. Great, =(a) Examine per rectum, and you will detect The Enlargement of the Prostrate: (6) Find out which love it is; do this by an Exploring Sound; if this goes as far as the neck, and then meets a barrier it is the 32 lobe; if introduced with difficulty it is Prostatic Enlargement. Try and insert Sum Cath. eters tight with silver, bevelled to suit the side of Enlargement. If you cannot, then introduce a flexible stilletto into the Catheter, to shorten or lengthers the curve of the Catheter, by pulling, or hushing it in. If this is unpassable, the patient is in articulo mortis; then nothing remains but Para centeris vescicas, per Rectum, Putes, aut Perineum. The best Operation = that of Ir. Brander, outside of Perineum, in which a Simple, flat trochar is carried through the Symphisis Pubis into the anterior parieties of the bladder. leave the Canula until The patient is relieved. (3) Sermanent Stricture: "wistory = Has lasted for years: agony from Retention: wrinated by dribbling, now cannot obtain but a few drops by violent means: fluctuating tumor above the pubis; abdomen tense and painful: There is more or less spasmo, and pain from Inflammation: hence, find out, whether it is mechanichal, or due to Spasm or Inflammation. If it depends on Inflammation; put him in a warin bath steed him; evacuant injections; then explore the ba scertain the seat of Stricture: Then commence a series of introductions of catheters, smaller and

Smaller, until one is passed into the bladder if 91 you succeed in this, he is safe. If you cannot introduce it then use armussatis sound, which has a stillet that directs the cather into the bladder, . . Then use the stillet as a director, over which you a pass a rum Elastie Catheter, withdraw the sound and leave the Catheter. Suppose there is no opening in the Stricture. Then pass The silver Catheter of Dr. Harris down to the seat of Stricture, and hress a Stillet through the Stricture and try to pass the catheter through the made orifice. If you can't succeed: (a) Tap the bladder: (b) Cut down to seat of stricture; introduce a grooved staff, and cut down for the staff per periseum, and divide The stricture, introduce a casheter must remain. le until the External wound heals. He bladder or the wrethra may rupture (4). Rupture of Unethra: Diagnosis = Caused by a blow; there is pain; arrest of Wrine; a tumor in Perineum, red and sensitive from infiltrations of wrine Kept from being, deffused by the union between the Superficial Perineal fascia, with the Deep Perineal Fascia. Freak = Introduce the Catheter if you can it is a very difficult undertaking, he may thus be cured. If unsuccessful, cut down to the seat of rupture per Perineum, and find the unnah. ceral orifice and you will be able by man-ocurring to pass a casheter per penero, into The bladder. If the orifice is not to be found cut into the bladder and pass a catheter from the bladder into the wrethro and out at the This is the only case, in which you are ace-Thorised to perform Paracentesis vesicae per Perineus (5). Lodgement of Calculi in neck: If the stone be - small, much it back into bladder, and crushits If unsuccessful cut upon the grips through the Revineum, by introducing jinger into the Rectum and hulling the neck down.

\* In Enlarged Prostrate; before resorting to the operation of tapping : nerforate the gland

92 by the Stillette of Lerry d'Etiole, and nass in the catheter. In the Pediculated tumor from the Enlargement of the 30 love, which falls within, you must manoevre, the carteter by shortening and lengthening the curve by a stillette, so as to get it over The tumour not through it; you can aid the operation by pushing up the point of the Catheter by introducing the finger into the Rectum. (6). Abscess in Perineum: which presses up the bas fond, and occludes the neck. The duty of the surgeon is never to allow a tumor to grow to that size. Lay open abscess, and catheterine. Remedies after relief in certain rare diseases of this kind: (2). Quiniae sulph. in intermittent attacks, or Spasm. (6). L'allemand's Porte-Caustique, in irritable neck. (c). affusion of Cold water in relaxed habits. (d). Strychniae Sulph. gr. 14-1/2 to aqua 3j, injected 3 times a day for paralysis of the muscles. (E). Remedy the diseased condition of Urine. (f). Large doses of Opium and perfect quiet, when the usual means for relief fail. Incontinence of Urine: Det = Inability to retain one's wrine. age most liable = Early life and advanced age. Causes = Disease Urine: Irritability: Habit of passing water Every hour: Taralysis of Sphinder Vesicae: Children, who wringte their beds. Freak. (a). Old man: you cannot cure him; but Simply palliate by a gum Elastic bag, into which The premis is inserted, to collect the dribbling. (6). Habit of Constant Urination: Break the habit by assistance of Miuno, which lessens the Secretions; This gr j-ij Every day: Thium Suppository at night: distend the bladder three or four times a day by injecting warm water; the Prognosis is favorables, curid in 6-8 weeks. (c). Child wets its bed: This lays the foundation of irritable bladder: See that the child urinates before retiring: at midnight wake him up to wrinate; he generally wrinates when bying on his back, from gravitation on neck

of bladder, hence let him tie on his face or side 193. which you case Effect by a blister on the back. cold douche on back: tonics if necessary. Existence of Entozoain Bladder. Varalus = 1st Spiroplina: 200 Dactylia The Symptoms are the same as in stone in Bladder elletter disengaged them with the sound: Turpentine. Jumours in the Cavily of Bladder. Varieties = 1. Polypus, or prediculated turnor: 2. The naneties covered with fungous tumors like Veneriel warts. Symptoms = Those of Irritability and Stone. 3 mar. If you cannot find a stone but light upon a tumor producing no click; if at the neck it will be difficult to withdraw the Catheter: The French Surgeons day if mova-He crush it the hemorkage will be trifling from a lacerated would. Others proposed the ) operations for dithotomy, but it has not yet been one Stricture of UneMra. 1. by Thermanent or organic thickening. 200 2. Spasmodic 3 dived = Organie et Spasm. The most common = Permanent Stricture. Sear of Spasmodic is situated low down near the muscles of Guthie and Wilson. of Perina. ment, is any where in Urethra, but usually is about 5-6 inches from the Glans. Number of Strictures - In Spasmodic One: in Permanent from our to a dozen: Form of Stricture = (a) Thread like, most common and resembles the tying of a thread a round causing as duplicature: (6) Thickening Extending from 14 inch - 1 wich. Causes = (a) Permanent resulting from lesion. as Eaceration of Unethra, more difficult to cure from cicatrix. (6). Permanent from inflam. as Fonorrhoea; abrees; impure connection with catamenial women; heroic treatment of Gonorrhoea. mow Easy to cure, for the absorption of plasma is Easier than the stretching of old cicatrices.

14/ Shenomena = 1. docal 2. Constitutional. Local = Difficulty in wringting: irritation at the End of penis: Throbbing in Thrineum: after uvinating, about a teashoonful dribbles away in the mants: white discharge like Gleet, hence always sound, to make out a clear diagnosis. Constitutional = Let the stricture be neglected and there will be a constant desire to wringte; the wrine becomes bloody, nurwhent, with mucus: gets up at night: a chill followed by a fever every other day like an ague. If it is still further neglected, the nervous system becomes affected: newish, morose: The Ureters become dilated the Kidneys hollowed out and absorbed, and patient dies a horrible death. Prognosis = of the case is recent, health good, and can nass a catheter, the patient can be cured. If the stricture is fleshy; bladder contracted and diseased he may die from the mere introducetion of the Catheter. He will always be obliged to pass catheter once in a while. The must be attended to immediately as the stricture will frequently grow quickly. Break. Sont Examine him, if from a long journey until days have clapsed: nurge, warm. bath; then introduce the Catheter. The immediate treatment in spasm, is to get rid of the spasm, then reasoned by a graduated fore insertion, so as to procure a mould of the stricture, and find where the opening is. Try now and overcome the stricture, by dilatation of Wrethra, with bougues. Mitter always uses a metal one, conical, and buttoned to obviate a false passage, elletter says other catheters are liable to be brocken. Insert at first a small one, if you can pass it the patient is safe. You can tell whether the instrument has passed; because it will remain stationary. if it has not , thew will be a resiliency, and it will come out. Let the bougie remain at. first a minute, then a quarter of an hour Ele Patient must pass one, at least once as month.

Modus Operandi = The Bougie acts, by Execting irrita +95. tion, and causing the Strichure to be absorbed; that is The absorption of Plasma, between the mucus and other coats. Recollect that absorption not dilatation is the Radical Cure. (1) If no bougie will pass: carry a metallie sound down and Reep it in firm contact with the street ure , as long as pratunt will bear it; repeat it: This stimulates the absorbents. This belongs to Guthine. (c) If the stricture is Callous; of long duration; if bougies fail: There the Caustie bougie used to be Employed, to slough out the streture: it was Kept in Titu 15 Seconds, there patient was desired to mine turate; if unable sut all was injected to allay The irritability from the Caustic. The Caustic was applied by a wax bongie or canula with stillette elletter does not recommend this Caustic, but prefers internal airision, with a double edged Knife in a silver canula with a wire for a director; as soon as division is accomplished in sert a silver Catheter into bladder, let it remain a few days, then insert larger and larger bougies. Stafford's Bissiron is celebrated in London; but Dr. Dodds has the advantage of making use of the Canula, as a Casheter after the Knips is withdrawed. Dymmes Operation - Sividing the Stricture from without by carrying a common Staff for Lithotorny, through and through the stricture; cut down to staff and divide the stricture: ellitter says this is abourd, for if you can hass a staff in there you can dilate without critting. Sound of amussar is excellent, because you can hass a bougie, over it, by serewing on the director. To Sum up. Try first Conical metallie Sound: 2. Gushries by pressure. 3. Cut internally: only two cases in which the External division by Simmes is allowable (a) = Fistula in Perines: (6) Lacerated Urethra: Next amussal.

Energy Statement Copt Parent will all action into Hadde Coulden 34 for is allowed in section and the standard for the standard the said which Symme's penalene searcheastle strates bene and 8811 of Education or assessed Juliais to presence 3 list a normal only two cares in which tion a Simmer is all worth last Feller in Pening : 16 december the least in the demine

Gonorrhoea Del. = Every discharge of Jus from Urethra, Except from that of a larvated chance. Causes = Connection during menstruation; acrid dis. charges: Leucorrhoea: Tulcer in Vagina; hence be quarded what you say about the cause. Warieties = (a) Ordinary Gonorrhoea, with discharge of Trus: (6) Dry Clap = Inflammation gone beyond the secreting point, hence as the inflammation subsides, the discharge commences. Stages = 1. Iniciative 2. Inflam. 3. Suppuration: Period of Incubation varies from 2 hs - 3 weeks. (1). Interative Symptoms - Itching at the End of the penis: frequent inclination to mincturate: urino scalds: a creamy drop at the orifice: (2) swelling of the organs: Freenist, reddish hus: chorder at night. (3). Suppuration - Reet; or creamy discharge with a relief of acute symptoms: Extent of Inflammatory action = Hunter Says only one track inch and a half from orifice; ellutter says, Even up to neck of the bladder. Is there are connection with Suphilis? Carmichael says: "yes" Mutter attributes those cases to Carvated (or concealed) chancre. What is the Ground that Sonorth is not the same as Eight. Innoculate with Gonor hoeal matter and there is no chancre, as in Syphilitic matter. Freakment = 1. Stage. Some recommend the abortive treatment, by Establishing a countererritation by arg. nitras gr. XX to aquae f3j; but this will cause dry blap, and Stricture. Mutter resorts to arg. nitras gr. i to aquae fgi: inject a teaspoonful every 4 hours, for 48 hs. at Expiration of that time there will propable, be a cure. Julo. Cubebae 31/2 three times a day, if this does not cure and discharge comes on increase dose to 3i; if this does not cure in 48 hs; Purgo, but not with Salines. 2. Stago: of there is inflammatory action; To to bed: leech nerinieum: cold water to penis: Purge: SWt. Spts. nitro: Cubebo: Balsano Copais: [ Ix : Ol. Cubeback 3 4 + Ol. Copailar f 3ij + Ol. Tere\_

98 binthinae 3ij + Opii gr. IV + Carb. magnes 9.3. est fiant in pilalao. No. LX tor die I. When the inflammation subsides, inject Ferri prote iodido gr; to Zi: Zinci Sulph: Plumb acet: Cuporo sulph: dont use chloroform, as recommended. Brognosis: May require months to cure. 3. Stage or Gleek: is chronic; commence by passing a simple bougie up wrethra this alone may cure: if this fails, cautings with L'allemands po caustiques Binhead Sleet: so called from squeezing a globule of pus in morning; it is not injections, let it alone. you cannot curo it. Complications: = (a) Chardee: hut feet in cold water before going to bed, and sponge the harts: Lumilinae gr. X: Miate Suppository: Camphor + Opium at last. not at first as it disturts the system: If the charde is neglected, it will de form the mis from a deposition of plasma: (6). Irritable Bladder, use back remedies P. 87. (c). Hemorrhage from Urethra: apply cold: Elevate the hips: pressure in perineum with a cook until the flow is arrested: Turpentine. (2). abscess of Jenis, from inflammation of mucus follicles; let out the matter at once. (E). Bubo: use antiphlogistics; (f). Balanctis = Inflammation of Glans heris: cure by Lotions of Binci: arg. nit: Sodie chlorid: link interposed between the prepuce and gland. (5). Toshitis: = Inflammation of Prepuce: treated as above: may lay the foundation of Phymosis, and Paraphymosis: In Phymosis inject astringents: In Paraphymosis, place the gland in ecewater. I queeze out the blood, and bring back prepure. (h) Hernia humoralis: Orchitis: You must bring back the discharge, by introducing as boilgie Ineared with mercurial Ung. anti Whogisties: Suspension: leeches. (i). Yenerial Warts: = crop of Strawberries: cut Them off and cauterize; they are the result of neglieted Balanitis.

(9). Bhowmatism: Cured by bringing back the dis-199. charge and using appropriate remedies. Thange the remedies every two or three days if unsuccessful, this is the grand secret. Charles and a comment of the state of the state of Said of brighting - The The to have the deal of the said of the sa deny the constraint of the free the constraint of the free free that the first of the section of the constraint of the section of the section

Syphilis Def. = That form of specific disease, which involves a specific ulcer, and specific phenomenon. Derivation = Du quie (mutual love). History = 1. Was Syphilis known to the ancients? 2. Was it imported from America to Europe ? 3. If not imported thus when and where did it originate? 1. There is no systematic account of Syphilio until The 15 century, when it provailed as an exiden ic at Maples. 2. Nobody Knows its origin. "Seriod of Incubation = The period of time clapsing between Contamination and development of the disease. Some Tay this occurs in from 1-10 days. Mutter, with Record fixes no stated time; can have it in 6 weeks. Question of a special Virus - Browssais, and his school deny the existence of a Specific Virus, and assert that it originates from a simple Ulcer, modified by The health of the individual. This doctrine is however, dis proved by inoculation, which always Produces a specific disease, and ulcer. Does Converheal matter produce Frimary Sympt. of Sylphidis? Some contend that Gonorrhaea and Typhilis are one and the same disease; that Gonorch. produces chancre . Et vice versa, moved by a woman who will give Gonorsh. to some, and Syphilis to others. But Mitter says the woman must have both Gonons. and syphilis to contaminate with both disease. And when an infected man gives toth diseases it is due to Gonorrhoea and a Larvated Chancre. Classification of Symptoms: Mitter adopts that of Ricord which Embraces five Thenomena. 1. Primitivo = Chancre, and Condylomata. 2. Consecutive = Bubo, and Remote Ulcers. 3. Secondary = Diseases of Skin, and Mucus Membrane. 4. Gertiary. = Diseases of the bones. 5. Pseudo syphilitic = Disease not Venerial, but resembling.

John Hunter made but 2 Groups. 1101. 1. Primary = Chancre; Condylomata; and Bubo. 2. Secondary. = Disease of Mucus Membrane, and Bones. ban Syphilis be communicated to animals? By recent Experiments it is proved conclusively by inoculations. Contagion of Supphilis. It was supposed that the Primary was alone Contagious but Mitter Knows that both Primary and Secondary are communicable. More over an impure connection is not necessary to communicate the disease, as a man may have a chancre from water closel; injected pants. Sheory of Prophylaxis: Some contend that one Syphilis protects the System; and advocate Syphil. ization; like the Inoculation in Small Pox. But it is not a nerfect quarantee, as Mutter has seen one patient have several different chancres. They also contend that the Virus of another man is the best remedy for Chancre; and also will but a stop to cancers, in the same way. Brimary Syphilis Def. = an alcer dependant on a specific cause, and originating on any soft tissue; such as the longuo, Plips, torsils Etc. Who de of Developement: - 1. Pustulo, 2. Ulceration 3. Abrasion (a). The Pustular, or Follicular Chancre = a little white primple containing a pellucid fluid; it attacks the hair follicles, and penetrates deeply. (6). May commence as a series of follicles, which running into one another, ulcerate and produce an open wher. (c). Abrasion, usually elecrates with abscess. Stages of Chancre = 3. 1. Period of Incubation, or opening of the ulcer. 2. Granulations and Cicatrization; or from opening of Weer to it cicatrization. 3. From Cicatrization until it Inoculable Troperties: In the first period it is simmly a local disease; in the first 5 days and before you have pus, you cannot innoculate

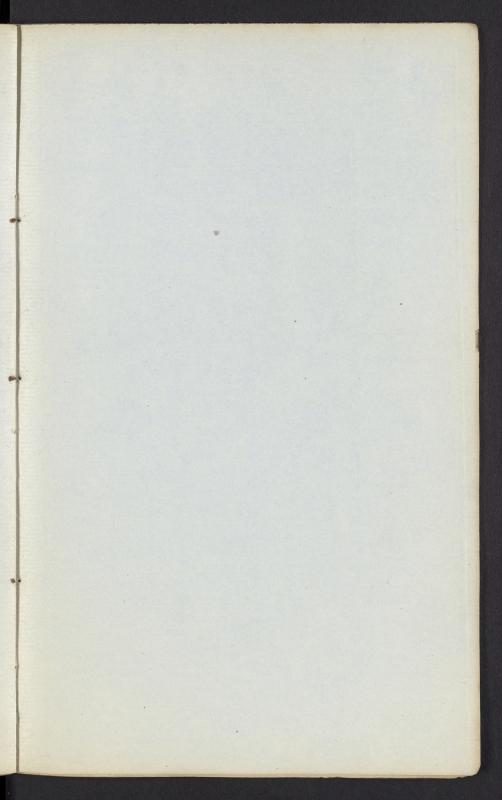
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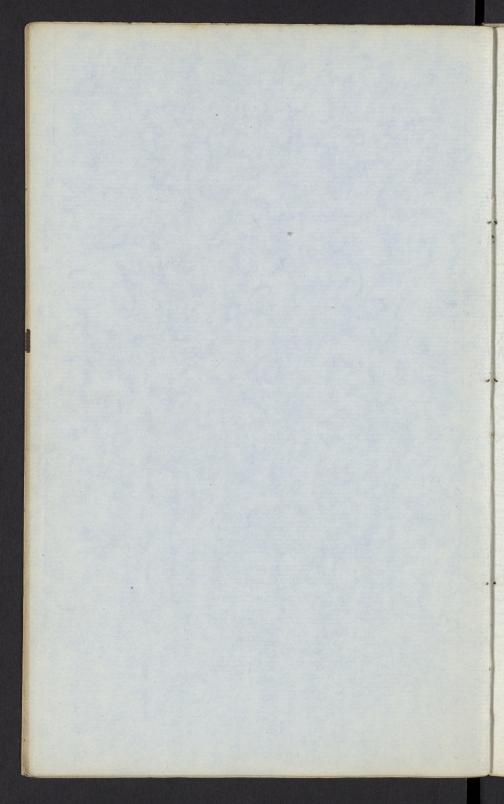
102 with it. In the second period, when from the burtling of a primple, an alcer is formed. the hus is contagious, and may continue so from one day, to many years, but usually lasts only one or two months. In the Third or Healing stage, the Virus loses its insculability. Division = 1. External 2. Internal, Larvated, or concealed. 1. Follicular (a) 2. \* Indurated. (6) 3. Phage denie. (c) 4. Furun culus. (d) 1. Follicular = The Chancre commences as a simple white pimple, with a pelweid fluid; or follicular around a hair bull, or in the bull, which will nenetrate more deeply, and require deeper cauterization. When the primple bursts into an ulcer, the latter is reddish in base; the Edges are slightly elevated; secretes laudable pus. 2. If the Pinple, or abscess, or abrasion, or aprens into an ulcer, indurated base, feeling to the finger like a lump of cartilage, it is called an Indurated or Hunterian Chancre. This is not a specific Johnnom enon but depends whom the state of the constitution, with the Effersion of Masma. This chancre then nossesses an indurated base; the ulcer covered by a greyish, tene cious substance, like brown paper. 3. Phagedenic: If the Pustule, abscess, or abrasion occurs in an unhealthy person; the uleer becomes highly inflammatory; phagedenie or Erysipelatous inflammation, as some term it, intervenes: The alcer assumes a dusty, red color from the deep inflammation, followed by rapid degeneration and ulceration, which may Sphacelate the whole organ in 24 ho. This is called the Black Thagaedena, and is Stheric in its character.

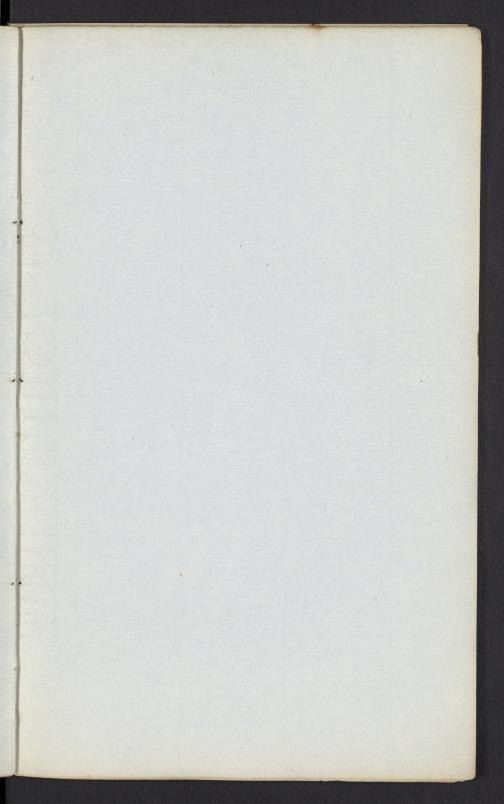
(a) White Phagedena, from the debilitated tissee, is most to be dreaded. It occurs in weak, vitia. ted habits, such as Strumous, and Phthisical or in convalescence from any continued fever. 4. Faranculus Chancre: commences as a nimple, spreads superficially, and sphacelates superficially, Eating the integument like dupus excedens. Diagnosis: There are 4 ulcers, with which Timple Chancre is confounded 1. Pronasis. 2. Herpes preputialis. 3. Simple Eller. 4. Abrasion. 1. Proviasio, looks like fissures, or clefts, distilling an acrid pus, with itching. 2. Herpes, is cured by purges, application of Fine washes; it itches, and distils acrid fluid. 3. Simple Ulcer, can alone be tested by inventa. in the adjacent thigh which will reproduce a similar ulcer if venerial; if not, will dry up. Greatment. Each variety of Chancre requires a different treatment. 1. If a Simple Pemple or a Follieular Chancre. Rigid diet - hurge with a brisk Cathartic of any kind. apply the arg. nit. until the Sore is reduced to a sapronaceous consistency: Then apply a simple astringent wash as Vinum aromatic. Pannin Elc. Give no mercurial treatment, and apply no sintment. 2. If the patient has a fever and the chance is red and inflamed; do not apply the argent. until the fever and inflammation are driven away by bleeding in the arm; cool lotions Etc. or Else Phagedena may Ensue. 3. In the Indurated or Hunterian Chancre which last for several weeks and days. First Employ diet, cold lotions to the part, bleeding, rest. of you have trud these antiphlogistic bemedies for 10 days, without curing the induration; then and only then give Hydratgynum, as half a grain

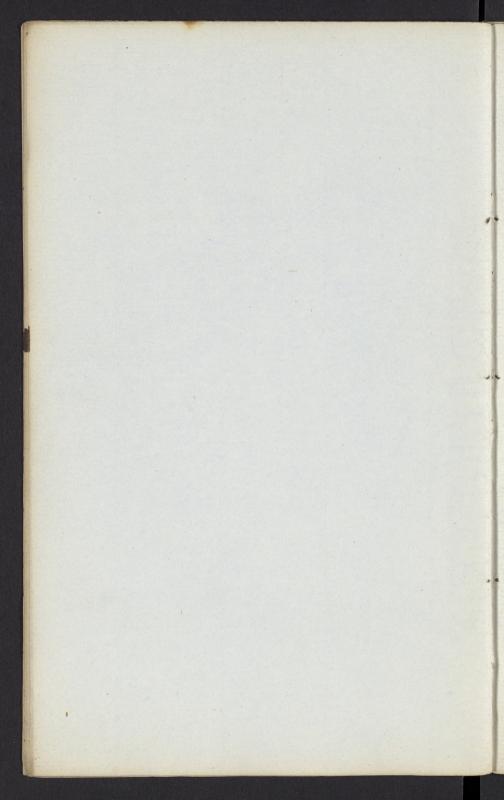
104 of the Protiodide of ellerany; morning and Evening, until the break is affected, then Istop; and of the ulcer still refuses to heal, give Potass. wided during the interval. When the breath becomes natural and the ulcer is not healed, recommence with Mercury. Watch the Heart, during the administration of Mercury if he says that he has fainted lately; stop the Mer-Give the Mercury as long after the ulcer is cured as it required days to heal it. Local Treat of Indurated Chancre = apply June Nitro acid with a pencil. Then you may soothe the part with a little sweet oil, and apply lint dipt in Some aromatic Wrine. Use no grease, or vintment of any Kind. Some snip out the uleer. 4. In Phagedena occurring in strong habits, or the Black Phagedena, So not give Mercury. Stop the slough by bleeding in the arms: rigid an tipshlogistics. Dressing of Tannin and water. 5. In White Phagederia or that occurring in cache. tic habits. The patients tonics; stimulate from the beginning: apply diluted exitre acid. Note = Chancre in the Wiethra is cauterized by L'allemands porte-caustique, then inject sweet oil and use astringents injections.

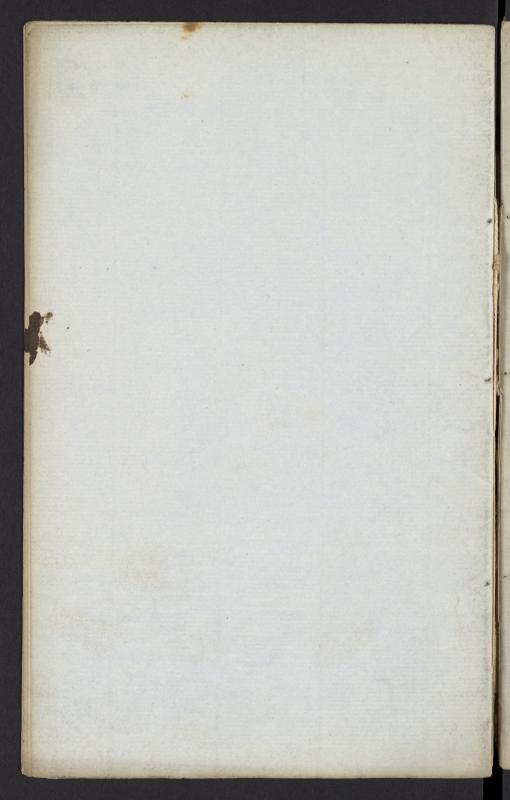
105. al y. he ec.











Diagnosis: 1. Examine the tympanum with the two bladed speed um, to see if it is due to foreign bodies: rembering when you we the speculation, not to introduce it into the bony meature as of course your carecol delete the instrument: 2" Insert a stelhoscopal tube in the ear of patient apple, your ear to the other end, and request the hateint to hold now and well inflate the month with air; if the Existachian take is clear then you into placing, here a crepilus: 3" In - troduce a canula into the Eustachian take and allow a current of air to pass into to be whether it is only new cuts.

Treas Blister to evaps, back of ears: his, arenicies typicod:

Echropium: [113.]

26. 2 Eversion of Eyelids: to be cured & plastic operation of the cure of plastic operation of the cure of the cure of plastic operation of the cure of the diagram is to the diagram is

Catopine Test Page 128: 125:

It is frequently difficult to say whether dimness of version depends on cataract or amaurous: This is the list: Dilate the hupil with Belladonna: Then hold a lighted candle before the Eye: if it is sound in Every respect Those will be 3 cinages: 2 Erect. I invested: The Two creek are reflections from the cornea, and anterior surface of crystalline, lasts: The one invested is a reflection from the posterior layer of crystalleine:

Now if there is quarie of the crystalline, or it capacle there will be an absence of one or more images: The invested always and sometimes one upright image: There will be an diagnosis between Cataract and amaurosis: In the former absence of one or more images: The comparable to their:

Hastie Jungen; If What branch of surgery that certines lost pauls ? Hoton: Originated in India & Brahmins; into ... duced in 15 th Century into Italy by Fallicoticis: The Brokenin take Heir 3 ellethods now in uso. It Indian, in which He okin is taken from adjaclat parts: 27 Italian from distant parts: 300 French par Hissement de Alandeau; or oliding flaps Indian the best." General rules: 1.5t must have a large flap, to allow. ... Lind or be drawn too tight! 30 Never let the twent of flat to be so tight as to Strangulate to the Mever bring flap in situ until all Kemorrhage ceases:

